HWiNFO Full Version History

Latest v8.22
Released on Feb-26-2025

- Added NVIDIA GeForce RTX 5090 D.
- Added enumeration of PCIe buses on ARM64.
- Added monitoring of Cooler Master X Silent/Mighty series PSUs.
- Added NVIDIA GeForce RTX 5070 Ti.
- Added Latvian language (partial).
- Added monitoring of MSI MEG Ai1600T PSU.
- Fixed support of systems with >512 cores.
- Changed port used to communicate with AMD SMU.
- Added NVIDIA GeForce RTX 5070.
- Fixed reporting of ReBAR status on NVIDIA Blackwell.
- Fixed failing of RGB lightning on MSI RTX 50 series GPUs.
- Enhanced sensor monitoring on MSI B840 series.

Latest v8.20
Released on Jan-13-2025

- Parallelized (multi-threaded) sensor polling.
- Fixed automatic update of ARM64 version.
- Added reporting number of Xe cores on Intel GPUs.
- Enhanced Memory Timings window to show more DDR5 features.
- Enhanced power monitoring on Intel Battlemage.
- Improved appearance when using Windows Contrast Themes.
- Enhanced sensor monitoring on MSI B850 series.
- Enhanced support of LPDDR5/X SDRAM.
- Updated PresentMon to v2.3.0.
- Improved GUI scaling.
- Added support of multiple PCIe segment groups.
- Improved support of next-generation AMD GPUs.
- Added NVIDIA GB202 family, GeForce RTX 5090, GeForce RTX 5080.
- Enhanced sensor monitoring on ASUS B850 and B840 series.
- Added monitoring of Cooler Master "i" series PSUs.
- Enhanced sensor monitoring on ASUS ROG CROSSHAIR X870E APEX.
- Enhanced sensor monitoring on ASUS B860 and H810 series.
- Enhanced sensor monitoring on ASRock B860 and B850 series.

Latest v8.16
Released on Nov-25-2024

- Added support of Cybenetics Powenetics PMD.
- Enhanced support of next-generation AMD CPUs and APUs.
- Improved reporting of drive letters.
- Improved reporting of NGU clock.
- Enhanced reporting of CUDIMM CKD parameters.
- Fixed monitoring of NVIDIA dGPU with new drivers.
- Fixed monitoring of eSIO sensors when concurrent applications are active.
- Personal License cannot be used in domains (considered commercial use).
- Improved reporting of V/F curve settings.
- Enhanced sensor monitoring on MSI Z890/B860/H810 series.

- Added DIMM module name into sensor heading.
- Added displaying of global min/max values on the right vertical axis of OSD graph.
- Improved support of Intel Lunar Lake.
- Added reporting of number of NPU tiles.
- OSD reflects number of decimal digits set in HWiNFO.
- Enhanced support of next-generation Intel GPUs.

Latest v8.14
Released on Oct-29-2024

- Enhanced support of next-generation AMD APUs.
- Extended reporting of when HWiNFO is blocked by another application.
- Fixed reporting of overclocked Arrow Lake memory timings.
- Added reporting of NVMe I/O Command Sets supported.
- Added reporting of drive letters associated with physical drives.
- Added CUDIMM and CSODIMM.
- Improved enumeration of device drivers to reduce scan time and eliminate excessive delays.
- Enhanced sensor monitoring on ASUS Z890 series.
- Adjusted reporting of Vcore/VID on Arrow Lake.
- Added reporting of NVMe Host Memory Buffer capability, size and status.
- Enhanced sensor monitoring on MSI B850 and B840 series.
- Fixed monitoring of PCH temperature and active memory channels on Arrow Lake.

Latest v8.12
Released on Sep-30-2024

- Added LPDDR5(X) SPD support.
- Improved monitoring of DDR5 DIMM voltages.
- Added ability to specify custom OSD coordinates.
- Improved enumeration and monitoring of network adapters.
- Updated PresentMon, improved real-time monitoring.
- Fixed reporting of GDDR6X clock to match command clock.
- Fixed detection of some DDR5 modules on next generation AMD CPUs.
- Added reporting of average of boolean values (Yes/No) as percentage.
- Asynchronous sensor polling. Improves responsiveness at higher rates.
- Optimized sensor polling.
- Enhanced sensor monitoring on ASRock X870 and Z890 series.
- Enhanced support of some next-generation AMD CPUs/APUs.
- Added support of Richtek RT3674 VRM/PWM.
- Added monitoring of PCH temperature on Intel Ice Lake and later systems.
- Added showing of faulting WHEA PCIe device in sensor tooltip.
- Improved reporting of LP E-core configuration (Lunar Lake).
- Enhanced sensor monitoring on ASUS X870 series.
- Added displaying of warning when HWiNFO is blocked by another application.
- Added monitoring of individual VRM phases on GIGABYTE mainboards with ISL or XDPE PWMs.

Latest v8.10
Released on Aug-20-2024

- Introducing HWiNFO® ARM64.
- Updated hybrid core naming.
- Improved support of AMD Strix1 and Granite Ridge.

- Enhanced support of ZHAOXIN KaiXian KX-7000.
- Added support of ITE IT8696E LPC/SIO.
- Enhanced sensor monitoring on next-generation GIGABYTE mainboards.
- ARM64: Improved reporting of Qualcomm Snapdragon X1P and X1E.
- Improved enumeration of some JMicron and ASMedia USB-SATA bridges.
- Enhanced sensor monitoring on ASUS ROG MAXIMUS Z890 series.
- Added support of Infineon XDPE192C3 PWM.
- Added ASUS ROG theme. Available on ASUS ROG boards only.

Latest v8.06
Released on Jul-23-2024

- Updated PresentMon to v2.1.0.
- Minor GUI updates, graphs use shading.
- Added displaying of PresentMon monitored process in sensor title.
- Added reporting of PresentMon CPU Wait, CPU Busy, GPU Wait.
- Added support of Corsair HX1200i PSU (new model).
- Added monitoring of Thermal Zones via ACPI sensor.
- Enhanced support of Intel Panther Lake.
- Enhanced sensor monitoring on next-generation MSI mainboards.

Latest v8.04
Released on Jun-12-2024

- Fixed stuck PresentMon values after terminating graphics application.
- Enhanced detection of NCP8153x PWMs.
- Always On Top setting is also applied to OSD Independent Window.
- Enhanced reporting of connected USB device speed and connector type.
- Added new Intel Battlemage, Melville Sound and Celestial models.
- Enhanced support of next-generation AMD APUs.
- Improved AMD SMU access synchronization.
- Added support of Nuvoton NCT6701D.
- Enhanced support of some next-generation ASUS systems.
- Enhanced support of Intel Arrow Lake.
- Updated launcher to pass arguments through.

Latest v8.02
Released on May-07-2024

- Added workaround for Windows Defender messing up Effective Clock and C0 Residency counters.
- Added improvements for Auto Start.
- Enhanced support and monitoring of Moore Threads GPUs.
- Updated PresentMon to v2.0.0.
- Added support of Razer PWM PC Fan Controller.
- Added preserving of independent OSD window position.
- Added monitoring of VR VOUT, IOUT and POUT via SVID (Intel).
- Improved accessibility controls.
- Restored WinPE compatibility.
- Improved support of AMD Zen5 family.
- Added limited support of OnSemi NCP81530 and NCP81537 PWMs.
- Minor GUI updates.
- Fixed sensor monitoring on some GIGABYTE Z790/B760 A series.
- Fixed fan names on GIGABYTE TRX50 AERO D.

Latest v8.00
Released on Mar-27-2024

- Added fully integrated OSD.
- Windows XP/Vista support dropped in HWiNFO64.
- HWiNFO Installer migrated to Unicode for better multi-language support.
- HWiNFO Installer now includes HWiNFO64 only and requires Windows 7 x64 or later.
- Legacy HWiNFO32 available in the portable package only.
- Enhanced sensor monitoring on ASUS NUC series.
- Improved health monitoring of some NVMe drives connected via Intel RST.
- Enhanced sensor monitoring on ASUS TUF GAMING Z790-PRO WIFI.
- Revamped Auto Start mechanism to better reflect actual state.
- Fixed automatic startup (via a launcher) due to new requirements for OSD.
- Fixed some bugs in OSD configuration.
- Added support of Aquacomputer VISION and VISION RGBpx sensors.
- Enhanced sensor monitoring on new GIGABYTE Z790 and B760 series mainboards.
- Added NVIDIA GeForce RTX 4070 (AD103) and GeForce RTX 4060 (AD106).
- Improved support of Raptor Lake-PS.
- Fixed AMD Hawk Point iGPU support.

Latest v7.72
Released on Feb-05-2024

- Fixed a possible crash on some older NVIDIA GPUs.
- Fixed erratic behavior during hiding of sensor items.

Latest v7.70
Released on Feb-01-2024

- Added preliminary support of future Intel integrated GPUs: Panther Lake, Nova Lake.
- Added preliminary support of future Intel discrete GPUs: Battlemage, Celestial.
- Fixed a possible drive disconnect on ASMedia ASM1051 USB-SATA Bridge.
- Improved SMBus access synchronization.
- Added NVIDIA GeForce RTX 4090 D and RTX 4080 SUPER.
- Added support of JMicron USB-NVMe controllers.
- Added ability to define a hot key to reset sensor values.
- Improved reporting of memory timings on Intel SNB, IVT, HSX, BDX, SKX.
- Improved support of Realtek and JMicron USB-NVMe bridges.
- Added NVIDIA GeForce RTX 4070 SUPER and RTX 4070 Ti SUPER.
- Added reporting of per-CPU memory timings.
- Enhanced fan speed monitoring on some ASUS laptops.
- Several minor updates and fixes.
- Added German Manual in the installer package.
- Added AMD Radeon RX 7600 XT.
- Non-English HWiNFO64 produces UTF-8 encoded sensor log.

Latest v7.68
Released on Dec-19-2023

- Enhanced sensor monitoring on ASRock TRX50 WS.
- Added monitoring of GIGABYTE WATERFORCE X II series coolers.
- Added monitoring of Intel NPUs.
- Added monitoring of NVIDIA GPU Crossbar Clock.

- Optimized sensor polling with disabled CPU sensors.
- Improved appearance of some controls in Dark Mode with high scaling.
- Improved support of Intel Arrow Lake.
- Enhanced preliminary support of Intel Panther Lake.
- Fixed a possible crash in PresentMon when launching an application with non-ANSI name.
- Added fan speed monitoring on ASUS ROG Strix G614JV.
- Improved support of some ASPEED BMCs.
- Added temperature monitoring of AMD CPU VRMs via SVI3.
- Added monitoring of IPU Clock and Usage on AMD Phoenix and Strix.
- Enhanced sensor monitoring on Maxsun mainboards.
- Improved S.M.A.R.T. reporting on some USB NVMe drives with ASMedia controller.
- Added HWiNFO Manual in the installer package.

Latest v7.66
Released on Nov-13-2023

- Added fan speed monitoring on ASUS VivoBook X513.
- Added command-line argument to exclude processes in PresentMon.
- Fixed monitoring of VRM HS Fan on ASUS ROG STRIX Z690-I and X670E-I.
- Enhanced monitoring on ASUS TRX50 and WRX90E series.
- Enhanced reading of DIMM SPD on AMD Storm Peak systems.
- Added new Intel Arc models.
- Minor updates and bugfixes.
- Added NVIDIA GeForce RTX 4080 SUPER.
- Improved monitoring of chipset temperature for some older Intel PCHs.
- Added reporting of AGESA version on some later mainboards.
- Fixed VRM monitoring after resume from standby on some GIGABYTE mainboards.
- Added VRM VOUT monitoring on later ASUS mainboards.
- Fixed a possible crash in NVML during NVIDIA GPU driver update.
- Fixed a possible BSOD on systems with locked PCI configuration access.
- Added preliminary Intel NPU support.
- Added fan speed monitoring on ASUS TUF Gaming F17 FX707ZM.

Latest v7.64
Released on Oct-11-2023

- Integrated PresentMon for FPS, Frame Time and GPU Busy monitoring.
- Enhanced fan speed monitoring on some ASUS notebooks.
- Enhanced VRM monitoring on GIGABYTE Z690 and Z790 series.
- Enhanced sensor monitoring on new MSI mainboards.
- Extended Sensor name in sensors window to display in full row.
- Fixed installing driver on encrypted drives/folders.
- Fixed a possible crash on some CPUs with more than 64 cores.
- Fixed missing L3 Cache size on some AMD Phoenix APUs.
- Improved support of AMD Strix and Storm Peak.
- Fixed monitoring of GPU D3D information when GPU is re-enabled after disabling.
- Improved sensor monitoring on ASUS ROG MAXIMUS Z790 APEX ENCORE.
- Improved support and monitoring of GIGABYTE TRX50 series.
- Fixed misreporting of XMP profiles for modules with XMP 3.0 + EXPO.
- Improved DDR5 timing calculation per CAS latencies supported.
- Enhanced sensor monitoring on ASRock B650I Lightning, A620I Lightning, Z790 Nova.

Latest v7.62
Released on Sep-05-2023

- Added AMD Radeon RX 7900 GRE.
- Added fan speed monitoring on ASUS ROG Strix SCAR 15 and SCAR 17 and some other notebook series.
- Added reporting of more BIOS options on GIGABYTE X670 series.
- Improved CPU Package Power monitoring on AMD Cezanne and later APUs.
- Improved support of AMD Phoenix and Strix.
- GUI improvements and fixes.
- Fixed a possible crash of Memory Timings window when no SPD is found.
- Enhanced support of Intel Lunar Lake.
- Added monitoring of GIGABYTE GP-AORUS WATERFORCE AIOs.
- Added AMD Radeon RX 7700 XT and 7800 XT.
- Added monitoring of NVMe drive available spare capacity.
- Enhanced sensor monitoring on BIOSTAR Z790 VALKYRIE.
- Added monitoring of GPU Shader Clock Frequency Limit on Navi3x.

Latest v7.60
Released on Jul-27-2023

- Enhanced sensor monitoring on revised GIGABYTE B550 series.
- Added recognition of Renesas RAA229004.
- Enhanced fan speed monitoring on later MSI laptops.
- Added AMD Radeon RX 6550M and 6450M.
- Extended physical drive limit to 256.
- Added NVIDIA GeForce RTX 4060 Ti 16GB.
- Added monitoring of DIMM temperatures on Ice Lake-SP, Sapphire Rapids, Emerald Rapids.
- Improved monitoring of Granite Rapids and Sierra Forest.
- Improved power monitoring on later NVIDIA cards with new drivers.
- Fixed a possible race condition in CPU monitoring on some Intel systems.
- Added fan speed monitoring on ASUS ROG Strix G513I, G513Q, G713I, G713Q notebook series.
- Added reporting of AVX10 and APX ISA.
- Added ZHAOXIN KaiSheng KH-40000.
- Added Intel Raptor Lake Refresh SKUs.
- **Added GIGABYTE AORUS theme (automatic, optional).**
- **Added detailed Memory Timings window (AORUS-branded).**
- **Added reporting of advanced GIGABYTE BIOS options and AGESA version (Z790+, X670+).**

Latest v7.50
Released on Jun-28-2023

- Added AMD Radeon RX 7600.
- Added NVIDIA GeForce RTX 4060 and 4060 Ti 8GB.
- Fixed Kingston Fury Beast DDR5 DIMM RGB color issue.
- Added monitoring of DDR5 PMIC Over and Under Voltage.
- Enhanced sensor monitoring on MSI B450M-A PRO MAX II.
- Added license management and import options.
- Added AMD Radeon PRO W7800 and W7900.
- Enhanced sensor monitoring on GIGABYTE X670E and B650E series.
- NVMe drives are now polled per global period, not S.M.A.R.T. period.

- Added new Intel branding badges.
- Added filtered search function in main window.
- Enhanced sensor monitoring on DIEBOLD U1.0-ADL-uATX.
- Removed DriverFix.
- Added support of ASMedia-based USB-NVMe drives.
- Added support of new NZXT Kraken models.

Latest v7.46
Released on May-10-2023

- Fixed monitoring of legacy CPU Usage on Windows 11.
- Fixed a possible crash during XTU check on AMD Genoa/Bergamo.
- Fixed reporting of EDC current value on AMD Raphael.
- Fixed driver compatibility with Windows Kernel-mode Hardware-enforced Stack Protection.
- Improved Intel Arc GPU support with new drivers.

Latest v7.44
Released on May-03-2023

- Enhanced sensor monitoring on ASRock A620 series.
- Added NVIDIA GeForce RTX 4070.
- Improved monitoring of Corsair Commander CORE, CORE XT, ST.
- Enhanced temperature monitoring of AMD X670/B650 chipsets.
- Added monitoring of GPU available memory for NVIDIA and Intel GPUs.
- Fixed support of Renesas RAA229132 PWM.
- Enhanced support and monitoring of AMD Van Gogh.
- Added fan speed monitoring of Valve Steam Deck.
- Added separate monitoring of static and dynamic PL1/PL2 values.
- Added DIMM SPD information and temperature monitoring for Intel Sapphire Rapids, Emerald Rapids, Granite Rapids and Sierra Forest.
- Added support of Fintek F81804U LPC/HW Monitor.

Latest v7.42
Released on Mar-30-2023

- Added reporting of PMIC Validation and DIMM Certification status for XMP 3.0 rev1.3+.
- Added NVIDIA GeForce RTX 4050 Laptop.
- Fixed monitoring of some EC sensors on EVGA Z790 series.
- Enhanced support of AMD Phoenix.
- Enhanced sensor monitoring on some MSI H510M, H610M and A620M series.
- Improved reporting of Intel HDA sound drivers.
- Added limited monitoring of Intel Arc GPUs without drivers installed (oneAPI, IGCL).
- Added monitoring of Corsair H100i Elite White and H150i Elite White.
- Added NVIDIA GeForce RTX 4070 Laptop.
- Added option for creating report files in UTF-8 format.
- Added monitoring of Corsair Commander CORE, CORE XT, ST.
- Added preliminary support of Arrow Lake-S.
- Updated monitoring with AMD Adrenalin 23.3.2.

Latest v7.40
Released on Feb-21-2023

- Added fan speed monitoring on MSI Raider GE67HX, Titan GT77 and some others.
- Added monitoring of GPU SOC clock on AMD Navi3x.
- Improved sensor monitoring on some ASUS and ASRock mainboards.
- Added fan speed monitoring on SANTECH G69/Clevo X170KM.
- Added VRM monitoring on GIGABYTE Z690, Z790 and X670, B650 series.
- Added NVIDIA GeForce RTX 4080 Laptop and RTX 4060 Laptop.
- Added NVIDIA RTX 3500, 3000, 2000 Ada Laptop.
- Enhanced sensor monitoring on ASUS H770 and B760 series.
- Added AMD Radeon RX 7600M, 7600M XT, 7600S, 7700S.
- Improved support of next-generation AMD Threadripper.
- Enhanced sensor monitoring on ASUS Pro WS W790-ACE and Pro WS W790E-SAGE SE.
- Enhanced sensor monitoring on ASRock W790 WS.
- Added Moore Threads MTT S30, S50, S60, S70, S80, S3000 GPUs.
- Added driver information for monitor.
- Improved reporting of current memory clock for Intel Alder Lake and later CPUs.

Latest v7.36
Released on Jan-11-2023

- Improved support of AMD Threadripper PRO (Chagall).
- Improved sensor tooltips.
- Enhanced sensor monitoring on ASUS ProArt B650-CREATOR.
- Fixed reporting of Front End Clock on AMD Navi 3x.
- Improved consistency of sensor polling interval.
- Added monitoring of aging data on ASUS Z690, Z790 and X670E series.
- Changed default font in sensors for CJK languages.
- Added monitoring of MSI MEG Ai1000P and Ai1300P PSUs.
- Added NVIDIA GeForce RTX 4070 Ti.
- Added monitoring of System Fan 7/8 on GIGABYTE X670E series.

Latest v7.34
Released on Dec-07-2022

- Extended Shared Memory Interface to expose UTF-8 encoded strings.
- Fixed Remote Monitoring with localized sensor names.
- Added monitoring of Fan Intake Temperature on AMD Navi31.
- Added NVIDIA GeForce RTX 4080.
- Added highlighting of changing sensor values.
- Added support of NZXT Kraken X63 new models.
- Added support of Intel Emerald Rapids.
- Enhanced support of AMD Navi3X.
- Added several NVIDIA GeForce RTX 4090 and 4080 card models.
- Fixed reporting of Command Rate on AMD AM5 systems.
- Added monitoring of additional temperatures on ASUS MAXIMUS Z790 HERO/APEX.
- Improved sensor tooltip.
- Added Ukrainian language.

Latest v7.32
Released on Nov-01-2022

- Added reporting of Core Performance Order and PBO Scalar for AMD Raphael.
- Added monitoring of Energy Performance Preference for later AMD APUs.

- Fixed reporting of CPPC order on systems with gaps in APIC IDs.
- Enhanced sensor monitoring on ASUS X670 series.
- Fixed a possible hang during USB enumeration when Xbox 360 is connected.
- Enhanced sensor monitoring on EVGA Z790 series.
- Fixed a rare case when Nuvoton NCT6799 sensor might not be found.
- Added early support of some AMD Zen5 families.
- Enhanced support of Intel Meteor Lake and Granite Rapids.
- Enhanced sensor monitoring on ASRock X670E series.
- Enabled VRM monitoring on some ASRock mainboards.
- Enhanced sensor monitoring on ASUS B650 and Z790 series.
- Added hovering delay for sensor tooltips.
- Enhanced sensor monitoring on Intel 13th Gen NUC series.
- Added monitoring of GPU Thermal Limit for NVIDIA GPUs.
- Added monitoring of GIGABYTE AORUS P1200W PSU.
- Updated translations for several languages.

Latest v7.30
Released on Sep-20-2022

- Enhanced sensor monitoring on some MSI X670 and B650 series.
- Enhanced sensor monitoring on ASUS Pro WS W790E-SAGE.
- Added NVIDIA GeForce GTX 1630.
- Enhanced sensor monitoring on some ASUS Z790 series.
- Enhanced sensor monitoring on GIGABYTE X670 and B650 series.
- Enhanced support of AMD RDNA3 GPUs.
- Enhanced support of Intel Arc GPUs.
- Fixed some bugs in sensor settings GUI.
- Optimized registry writes for HWiNFO Gadget.
- Improved fan speed monitoring on some ASUS notebooks.
- Fixed auto-starting HWiNFO when located in folder with non-English characters.
- Enhanced sensor monitoring on GIGABYTE Z790 and B760 series.
- Added reporting of GPU Maximum Clock (Limit) and Firmware Version for Intel Arc GPUs.
- Switched to a new method for calculating BCLK on AMD Zen CPUs.
- Added precise clock reporting in eCLK1 mode on ASUS X670 series.
- Added Raptor Lake-S PCH SMBus support.
- Enhanced sensor monitoring on MSI Z790 and B760 series.
- Improved NUMA-awareness.
- Added VRM monitoring on some MSI Z590/Z690/Z790 series.
- Improved recognition of VR13 and SVI3 PWM controllers.
- Enhanced sensor monitoring on some ASRock X670 series mainboards.
- Added reporting of DDR5 DRAM Die revision.
- Enhanced sensor monitoring on ASRock Z790 and B760 series mainboards.
- Added monitoring of Corsair HX1000i and HX1500i PSUs (2021 models).

Latest v7.26
Released on Jun-21-2022

- Improved support of Intel Arc GPUs.
- Added several new GPU models.
- Fixed a potential race condition between sensors and summary screen.
- Enhanced sensor monitoring on ASUS CROSSHAIR X670E and STRIX X670E series.
- Fixed a possible crash when scanning some ASMedia SATA controllers/drivers.

- Reduced minimum sensor polling period to 20 ms.
- Added monitoring of Thermal Limit percentage for AMD Zen.
- Fixed missing CPU Utility and GPU D3D Usage on some non-English Windows systems.
- Enhanced sensor monitoring on MSI H610M series.
- Added NVIDIA RTX A500, A1000, A2000 8GB, A3000 12GB, A4500, A5500 Laptop.
- Added NVIDIA GeForce RTX 3050 OEM, GeForce MX570 A.
- Improved support of AMD Genoa, Bergamo, MI300 (A/C).
- Added preliminary support of AMD Turin, Strix Point, Granite Ridge.
- Improved support of Intel Sapphire Rapids.
- Fixed monitoring of VRM temperature on some ASUS Z690 mainboards without EC.
- Improved reporting of memory clock on AMD Cezanne and later APUs.

Latest v7.24
Released on May-12-2022

- Improved support of next-generation AMD CPUs and APUs.
- Improved monitoring of NZXT Kraken coolers when started before CAM.
- Improved support of dual-socket AMD EPYC systems.
- Added Glenfly Tech GF ARISE GPU.
- Improved support of Alder Lake-PS (IoT).
- Improved support of Intel Arc GPUs.
- Added support of Nuvoton NCT7491.
- Added monitoring of PL1 and PL2 limits on Intel GPUs.
- Added more Intel Arc graphics models.
- Added AMD Radeon RX 6400.
- Added AMD Radeon RX 6650 XT, 6750 XT, 6950 XT.

Latest v7.22
Released on Mar-30-2022

- Improved support of AMD Ryzen 6000 series.
- Added monitoring of next-generation AMD chipset temperature.
- Added option to disable validation of window positions.
- Enhanced sensor monitoring on Intel NUC12 series.
- Added NVIDIA GH100, GH202, AD102, AD103, AD104, AD106, AD107, GB100, GB102.
- Added reporting of ASIC Quality for AMD Vega and Navi discrete GPUs.
- Added fan speed monitoring on ASUS FA506 series.
- Improved support of next-generation AMD CPUs/APUs and GPUs.
- Added monitoring of video decoder and encoder usage on AMD Navi GPUs.
- Fixed monitoring of some EVGA EC sensors.
- Fixed Intel Arc graphics badge.
- Added option to disable snapping of sensor windows.
- Added NVIDIA GeForce RTX 3090 Ti.
- Fixed MHTML report.
- Updated HTML and MHTML reports to use UTF-8 encoding.
- Added reporting of ASIC Manufacturer for NVIDIA GPUs.
- Updated several languages.

Latest v7.20
Released on Feb-15-2022

- HWiNFO64 ported to UNICODE.

- Enhanced Intel XMP 3.0 Revision 1.2 support.
- Enhanced sensor monitoring on some ASRock B660 and H610 series.
- Enhanced support of future AMD AM5 platforms.
- Enhanced sensor monitoring on ASUS B660, H670 and H610 series.
- Initial localization to 24 languages.
- Added NVIDIA GeForce RTX 3080 12GB.
- Added NVIDIA GeForce RTX 3050.
- Enhanced sensor monitoring on ASRock Z690 Steel Legend/D5.
- Added support of Nuvoton NCT6799D.
- Added ability to override embedded language file by using a custom lang.txt file.

Latest v7.16
Released on Dec-21-2021

- Enhanced sensor monitoring on ASUS ROG STRIX Z690-I, PRIME Z690-P, PRIME Z690M-PLUS.
- Improved monitoring of D3D usage.
- Fixed recognition of down-cored Alder Lake CPUs.
- Added monitoring of L3 Cache temperatures and clocks for AMD Zen CPUs.
- Optimized EC communication on ASUS Z690 series mainboards.
- Enhanced sensor monitoring on ASRock Z690 AQUA, B660M Pro RS, B660M-HDV, H610M series.
- Updated kernel driver for compatibility with HVCI.
- Fixed reporting of Total Host/NAND Reads/Writes for some drives.
- Enhanced sensor monitoring on MSI MEG Z690 GODLIKE, H670, B660 and H610 series.
- Added preliminary Intel Granite Rapids support.
- Enhanced sensor monitoring on ASRock H670, B660 and H610 series.
- Added monitoring of Raspberry Pi running Windows on ARM.

Latest v7.14
Released on Oct-29-2021

- Added initial support of Raptor Lake-S and Raptor Lake-P.
- Changed layout of DDR5 DIMM sensors to one sensor per DIMM.
- Added monitoring of several parameters for each DDR5 DIMM.
- Fixed reporting of voltage offset set via V/F curve for Intel CPUs.
- Added reporting of voltage/frequency curve setting for Intel CPUs.
- Enhanced sensor monitoring on some ASRock Z690 series.
- Added reporting of Hypervisor-protected Code Integrity (HVCI) setting.
- Enhanced support of next-generation AMD APUs.
- Added graph Auto Fit feature.
- Minor fixes for Alder Lake support.
- Fixed monitoring of Aquacomputer Quadro and Octo with new firmware.
- Added reporting of AMX support in summary.
- Improved monitoring of DDR5 PMIC parameters.
- Enhanced sensor monitoring on EVGA X570 FTW and X570 DARK.
- Enhanced sensor monitoring on EVGA Z690 CLASSIFIED and Z690 DARK KINGPIN.
- Changed reporting of Memory Command Rate to not depend on Gear Mode.
- Fixed swapped GPU Right/Ext fan on EVGA iCX with new firmware.

Latest v7.12
Released on Oct-04-2021

- Added a darker (black) Dark Mode skin.
- Increased font and window size of the summary window.
- Updated summary window for improved support of Hybrid CPUs.
- Changed core naming in Hybrid CPUs to better reflect the type.
- Added a workaround for missing CPU clocks on AMD CPUs with Core Isolation / Memory Integrity enabled.
- Fixed a possible crash when opening sensor settings multiple times.
- Added support of Alder Lake-N.
- Enhanced sensor monitoring on some ASUS MAXIMUS, STRIX, TUF, ProArt, PRIME Z690 and B660 series.
- Added ability to define a custom range for invalid sensor values.
- Redesigned Summary window.
- Enhanced sensor monitoring on MSI Z690 and B660 series.
- Added readout of DDR5 SPD via I3C on Sapphire Rapids (preliminary).
- Enhanced sensor monitoring on GIGABYTE Z690, B660 and H610 series.
- Added monitoring of CPU Utility – same utilization as reported by Task Manager in Windows 8 and later.

Latest v7.10
Released on Aug-31-2021

- Added reporting of Secure Boot support capability.
- Added monitoring of IOD (IO Die) hotspot and average temperature on AMD Zen2 and later CPUs.
- Fixed monitoring of some MSI X570S series mainboards.
- Added reporting of CPPC order for AMD Renoir and later APUs.
- Improved Tj,max reporting on some AMD Zen CPUs.
- Changed high temperature warning limit from Tj,max-10 to Tj,max-5 ºC.
- Improved rounding of DDR4/DDR5 nCK parameters.
- Added support of Aquacomputer Leakshield.
- Enhanced sensor monitoring on NZXT N7 Z590.
- Improved support of AMD Navi23.
- Enhanced sensor monitoring on ASUS ProArt X570-CREATOR.
- Fixed monitoring of some GIGABYTE X570S series mainboards.
- Improved DDR5 SPD readout.
- Added monitoring of Average Active Core Count for AMD Ryzen 2xxx and later series.
- Updated EVGA ICX3 monitoring on GPUs with new firmware.
- Improved support of some future AMD CPU generations.
- Added preliminary support of some future AMD GPUs.
- Added monitoring of static PL1/PL2 power limits.
- Added option to write sensor log directly to disk.

Latest v7.06
Released on Jul-06-2021

- Added LHR variants of NVIDIA GeForce RTX 3080, 3070 and 3060 Ti.
- Fixed reporting of memory clock and some other parameters on Rocket Lake 6c/4c.
- Enhanced early support of some Zen4-based systems.
- Added workaround for systems with stuck SMBus causing large delays.
- Added VRM monitoring on ASRock Z590 Extreme, Z590 Phantom Gaming 4, H570 Phantom Gaming 4, H570 Steel Legend, B550 Extreme4, B550 PG Velocita.
- Added several NVIDIA GeForce RTX 3070 Ti and 3080 Ti card models.
- Enhanced sensor monitoring on GIGABYTE X570S series.

- Added option to use RFC 3339 or ISO 8601 date formats for sensor logging.
- Added support of Intel XMP 3.0 for DDR5.
- Added per-core temperature monitoring for AMD Zen CPUs.
- Added support of PCI Express Revision 6.0.
- Enhanced sensor monitoring on MSI X570S series.

Latest v7.04
Released on May-18-2021

- Added Automatic Update capability [Pro only].
- Fixed automatic creating of report files when Sensor-only mode is enabled.
- Fixed some minor GUI glitches in sensor list.
- Added monitoring of Memory Controller Gear Mode for Intel Ice Lake and later CPUs.
- Improved support of Ice Lake-SP.
- Added support of Intel VROC RAID drives.
- Added monitoring of Noise sensor on GIGABYTE Z590 series.
- Added support of Raptor Lake-S PCH.
- Added monitoring of VCCIO2 on MSI Z490 series with Rocket Lake CPU.
- Added preliminary support of some ASUS Z690 and MAXIMUS XIV series.
- Fixed displaying of localized license names.
- Fixed reporting of some capabilities on Tiger Lake-H.
- Added monitoring of CPU PLL, CPU Standby or VDDCR_SOC on some ASRock mainboards.
- Fixed reporting of IMC Gear mode on Alder Lake.
- Added workaround for reporting of DDR5 modules with wrong CRC.
- Fixed monitoring of Vcore on ASRock Z490 AQUA, W480 Creator and Z590 Taichi.
- Improved support of Zhaoxin Kaixian CPUs.
- Enhanced reporting of some memory timings.
- Improved Dark Mode appearance in main window.
- Enhanced monitoring of additional Intel NUC systems.
- Added AMD Radeon RX 6600 and 6600 XT.

Latest v7.02
Released on Apr-06-2021

- Enhanced sensor monitoring on ASRock Z590 OC Formula and Z590 Phantom Gaming-ITX.
- Fixed unintentional waking up of some NVIDIA dGPUs disabled by Optimus technology.
- Added reporting of PCI Express Resizable BAR capability and status for all devices.
- Enhanced sensor monitoring on MSI Z590 PLUS, MEG Z590 UNIFY and B560M PRO WIFI.
- Enhanced monitoring of AMD Navi14.
- Restored monitoring of AMD Navi21 with Radeon Adrenalin 21.3.1.
- Fixed monitoring of Vcore and VDIMM on ASUS PRIME Z590-A and STRIX Z590 series.
- Added ability to collapse sensor groups.
- Aggregated some sensor values into nodes (collapsed by default) to reduce amount of information on the screen.
- Improved GUI responsiveness in some situations.
- Enhanced sensor monitoring on EVGA Z590 FTW and Z590 DARK.
- Improved support of Intel Rocket Lake.
- Fixed reporting of Core Performance Order on AMD Raven, Renoir and Cezanne.

- Updated for proper support of AGESA 1.2.0.1 Patch A.
- Improved detection of AMD ThreadRipper PRO and next generation ThreadRipper.
- Improved reporting of Intel Integrated GPU clock.
- Enhanced sensor monitoring on ASUS ROG CROSSHAIR VIII EXTREME.
- Added monitoring of Global Frequency Limit on AMD Zen2/3 CPUs.
- Added monitoring of DRAM Read/Write Bandwidth on AMD Zen2/3 CPUs.

Latest v7.00
Released on Mar-09-2021

- **HWiNFO64** is limited to **non-commercial** use only. Check License terms.
- Introducing **HWiNFO64 Pro** for commercial use and additional features.
- Enhanced sensor monitoring on MSI H510 series mainboards.
- Fixed monitoring of +12V on some ASUS Z590 series mainboards.
- Improved support of LPDDR3/LPDDR4/LPDDR4X memories.
- Fixed a possible WHEA error/system crash during long-term monitoring of AMD RX 6000 series GPUs.
- Enhanced sensor monitoring on ASRock Z590 Taichi and Z590 PG Velocita.
- Consolidated AMD Navi monitoring, added Effective Clock and TGP Power for Navi21.
- Added sensor tool tips to provide more details about sensors and their values.
- Improved sensor UI responsiveness during some operations.
- Improved handling of disappearing/reappearing sensors in custom order.
- Fixed a possible hang when logging sensors with large sets of disabled items.
- Added monitoring of GPU HotSpot temperature for NVIDIA GPUs.
- Improved reporting of GPU memory vendor and ROP count for AMD GPUs.
- Enhanced sensor monitoring on ASRock J4105-ITX.
- Fixed reporting of effective clock on AMD Ryzen 1st generation CPUs.
- Added preliminary support for DDR5 thermal sensors.

Latest v6.42
Released on Jan-26-2021

- Improved support of some future AMD CPUs and APUs.
- Fixed a possible hang on some systems with Intel Thunderbolt controller.
- Enhanced sensor monitoring on ASUS ROG STRIX B550-XE.
- Added reporting of DIMM module location if BIOS provides correct data.
- Fixed VRM monitoring on ASRock Z490 Taichi and B550 Steel Legend.
- Added monitoring of Effective GPU clock on NVIDIA GPUs.
- Improved reporting of serial number on NVIDIA GPUs.
- Enhanced sensor monitoring on MSI Z590 and B560 series.
- Enhanced sensor monitoring on GIGABYTE Z590, B560, H570, Q570 and H510 series.
- Added monitoring of Aquacomputer farbwerk 360 and highflow NEXT.
- Added fan speed monitoring on some MSI notebooks.
- Enhanced sensor monitoring on some ASRock Z590, H570 and B560 series.
- Added monitoring of GDDR6X Memory Junction Temperature on NVIDIA RTX 30-series.

Latest v6.40
Released on Dec-09-2020

- Enhanced sensor monitoring on ASUS H570, B560, H510 and Q570 series.

- Added reporting of Precision Boost Clock Limit and Automatic OC Offset on AMD Vermeer.
- Fixed monitoring of CPU power and HTC status on AMD Zen3.
- Improved support of Intel Alder Lake and hybrid core architecture.
- Improved SMART support of some SSD drives.
- Improved CPU polling efficiency.
- Added Snapshot Polling mode for AMD Zen-based CPUs.
- Fixed and updated DDR5 support.
- Revamped monitoring of AMD Vega and Navi GPUs, added new items (PPT, TDC, Thermal limits, FPS counter).
- Clicking the clock bar window will toggle between active and effective clock display.

Latest v6.34
Released on Nov-03-2020

- More improvements to Dark Mode.
- Fixed disabling of RGB lightning on MSI RTX 30xx series.
- Added support of NXZT Kraken Zx3 series.
- Added monitoring of EVGA iCX sensors on RTX 30xx series.
- Enhanced support of future AMD CPUs and GPUs.
- Fixed reporting of some memory parameters on Intel Tiger Lake and Alder Lake.
- Added VRM monitoring on some MSI Z490 series mainboards.
- Enhanced sensor monitoring on ASUS MAXIMUS XIII.
- Added VRM monitoring on ASRock Z490 Taichi and B550 Steel Legend (experimental).
- Enhanced sensor monitoring on ASUS Z590 series.
- Enhanced sensor monitoring on GIGABYTE Z590 series.
- Added support of ITE IT8689E and IT87952E SIO/HW monitors.

Latest v6.32
Released on Sep-30-2020

- Improved Dark Mode.
- Fixed reporting of PCI Express current link speed in some situations.
- Improved monitoring of AMD GPUs.
- Added preliminary support of Intel Gen12/Xe and future GPUs via oneAPI LevelZero.
- Added option to disable Dark Mode.
- Improved oneAPI support, added workaround for crash in driver API.
- Enhanced sensor monitoring on EVGA Z490 FTW and DARK series.

Latest v6.30
Released on Aug-27-2020

- Added monitoring of SA, RoC, PCH and EDRAM power estimations on Intel Skylake and later CPUs.
- Added ability to choose font type for tray icons.
- Added option to show all fans including not spinning ones.
- Improved support of VIA CNS.
- Improved support of Intel Lakefield.
- Improved support of several next-generation AMD CPUs, APUs and GPUs.
- Added recognition of AMD A520 chipset.
- Enhanced sensor monitoring on Intel Islay Canyon.
- Added reporting of some missing extended CPU feature flags.
- Enhanced sensor monitoring on ASRock A520 series.

- Enhanced sensor monitoring on MSI A520 series.
- Improved support of legacy Trident graphics cards.
- Added Dark Mode support. Requires Windows 10 Dark Mode for apps enabled.
- Enhanced NVIDIA Ampere support.
- Improved reporting of GPU PCIe current link speed.
- Enhanced sensor monitoring on GIGABYTE A520 series.
- Enhanced sensor monitoring on ASUS A520 series.

Latest v6.28
Released on Jun-24-2020

- Fixed and improved monitoring of VR VCC sensor on Intel SVID VR systems.
- Added per-rail voltage and power monitoring on NVIDIA GPUs.
- Enhanced sensor monitoring on ASUS ROG STRIX B460 series.
- Fixed a possible crash on some systems with down-cored CPUs.
- Added reporting number of RT and Tensor Cores for NVIDIA (requires R445+).
- Enhanced sensor monitoring on ASUS Pro WS W480-ACE.
- Enhanced sensor monitoring on ASUS ROG STRIX B550-E/I GAMING.
- Enhanced sensor monitoring on ASRock H470, B460 and H410 series.
- Enhanced sensor monitoring on ASRock W480 Creator.
- Improved support of hybrid CPUs (Alder Lake).
- Enhanced sensor monitoring on GIGABYTE B550 series.
- Enhanced sensor monitoring on MSI B550 series.
- Added dedicated support of LSI MegaRAID controllers. Requires LSI storelib*.dll libraries.
- Fixed support of Intersil ISL69269 VRM.
- Added monitoring of Power Reporting Deviation on AMD Ryzen CPUs.
- Enhanced sensor monitoring on ASUS ROG STRIX B550-F and PRIME B550 series.
- Enhanced sensor monitoring on ASUS TUF GAMING B550-PLUS.
- Added NVIDIA A100.

Latest v6.26
Released on May-13-2020

- Enhanced sensor monitoring on MSI Z490 series.
- Enhanced sensor monitoring on ASUS MAXIMUS XII series.
- Enhanced sensor monitoring on GIGABYTE Z490/H470/H410/B460 series.
- Added support of NZXT Kraken X53 and X63.
- Added preliminary support of Navi21 and Navi22.
- Enhanced sensor monitoring on MSI B460 and H410 series.
- Added support of Alder Lake PCH.
- Enhanced sensor monitoring on ASUS PRIME Z490-A, Z490-P, Z490-V and Z490M-PLUS.
- Enhanced sensor monitoring on ASUS TUF GAMING Z490-PLUS.
- Enhanced sensor monitoring on ASUS ROG STRIX Z490-A, Z490-E, Z490-F, Z490-H GAMING.
- Enhanced sensor monitoring on ASUS ProArt Z490-CREATOR 10G.
- Enhanced sensor monitoring on ASRock Z490 series.
- Enhanced sensor monitoring on ASUS PRIME H470, TUF GAMING H470 and ROG STRIX H470 series.
- Enhanced sensor monitoring on ASUS PRIME B460 and TUF GAMING B460 series.
- Enhanced sensor monitoring on ASUS PRIME H410 series.
- Enhanced power monitoring of NVIDIA GPUs.

- Enhanced monitoring of AMD Renoir and Zen3 family.
- Added monitoring of Corsair ONE GPU Cooler Coolant Temperature.

Latest v6.24
Released on Mar-20-2020

- Improved power monitoring of EVGA iCX 20-series GPUs.
- Added temperature monitoring of some legacy NVIDIA GPUs.
- Enhanced sensor monitoring on EVGA SR-3 DARK.
- Improved support of XGI Volari and SiS315/330 GPUs.
- Added option to truncate values in tray icons.
- Improved support of legacy systems with EISA bus.
- Improved driver management.
- Fixed support of Fintek F81866.
- Several minor improvements and additions.
- Added preliminary support of DDR5 SDRAM.
- Improved SPD and TSOD readout on Nehalem-EX and Westmere-EX.
- Optimized HWiNFO32 for legacy systems (Windows 95 supported now too).
- Enhanced sensor monitoring on Intel NUC and Compute Element.
- Fixed reporting of DIMM information of HSX and BDX systems.
- Added support of Nuvoton NCT6687D.

Latest v6.22
Released on Jan-29-2020

- Updated reporting of PPT/TDC/EDC limits when OC-Mode active (no limits).
- Added monitoring of Effective CPU Core VID on AMD Zen CPUs.
- Multiple sensor items can now be configured at once via settings.
- Added support of selective sensor items for logging.
- Improved FCLK monitoring on AMD Zen2.
- Enhanced sensor monitoring on ASRock X570 Creator and X570 AQUA.
- Updated USB ID database.
- Improved reporting of advanced parameters on AMD Zen2-based CPUs/APUs.
- Added monitoring of advanced parameters on AMD Zen1-based CPUs/APUs.
- Added monitoring of C-State residency on AMD Zen CPUs/APUs.
- Fixed reporting of DIMM SPD information on Supermicro H11SS series.
- Added AMD Radeon RX 5600 XT.
- Added support of Aquacomputer Octo.
- Added ability to use simple formulas (including other sensor values) for custom sensors.
- Added support of Corsair H115i RGB PRO XT.

Latest v6.20
Released on Dec-04-2019

- Enhanced sensor monitoring on GIGABYTE X299X and TRX40 series.
- Added monitoring of Noise sensor on some GIGABYTE mainboards.
- Added reporting of total Average Effective Clock.
- Added reporting of SATA/NVMe current interface in summary.
- Added reporting of PBO Scalar value for AMD Matisse.
- Improved reporting of HDA Codec.
- Fixed losing of some sensor items on some CPUs after suspend/resume.
- Improved support of ATI mach64.
- Enhanced sensor monitoring on Intel Quartz Canyon and Ghost Canyon NUC.

- Added reporting of TDP setting for AMD Ryzen APUs.
- Enhanced sensor monitoring on ASUS WS C422 series.
- Enhanced sensor monitoring on ASUS STRIX TRX40-E GAMING and PRIME TRX40-PRO.
- Added reporting of Collaborative Processor Performance Control (CPPC) core order.
- Enhanced support of AMD 3rd Gen Ryzen Threadripper.
- Enhanced support of Intel Rocket Lake.
- Enhanced sensor monitoring on ASRock TRX40 Taichi and TRX40 Creator.
- Added reporting and monitoring of PPT, TDC and EDC limits and actual values for AMD Zen2 family.
- Added universal monitoring of FCLK for AMD Zen2 family.
- Added monitoring of CPU Die average temperature for AMD Zen2 family.
- Adjusted reporting of SVI2 TFN Current/Power, removed reporting on systems where accurate values are not guaranteed.
- Added reporting of cLDO VDDP and VDDG for AMD Zen2 family.

Latest v6.14
Released on Nov-05-2019

- Added preliminary support of Intel Jasper Lake.
- Added reporting of serial number for Voodoo3-5 GPUs.
- Improved support of legacy VGAs/GPUs.
- Fixed support of PCI Configuration Mechanism 2 (Intel Saturn, Neptune).
- Added reporting of Core Performance Order for AMD Matisse.
- Added AMD Radeon RX 5500.
- Added preliminary support of AMD Arcturus.
- Added ability to log sensor alerts.
- Enhanced sensor monitoring on ASUS ROG RAMPAGE VI EXTREME ENCORE.
- Enhanced sensor monitoring on ASUS ROG ZENITH II EXTREME.
- Added monitoring of thermal throttling (HTC, PROCHOT) for AMD Zen family.
- Optimized polling of CPUs.
- Added monitoring of effective (average) CPU clock.
- Enhanced support and added clock monitoring of legacy S3 and ATI graphics adapters.
- Fixed sensor monitoring on ASRock X570 Phantom Gaming-ITX.
- Enhanced sensor monitoring on MSI MS-7B94, MS-7B96, MS-7C59 and MS-7C60.
- Improved support of 3DLabs GLINT, DELTA, GAMMA and Permedia accelerators.

Latest v6.12
Released on Sep-25-2019

- Fixed reporting of ES/Production stage for some Zen2 CPUs.
- Fixed measuring of BCLK for some Intel CPUs under Windows 7.
- Added reporting of CPU High Temperature Clock Limit for AMD Zen2 family.
- Added reporting of CPU Automatic Overclocking Offset for AMD Matisse family.
- Added a new (more reliable) method for measuring BCLK on AMD Matisse systems.
- Added monitoring of Memory Controller Clock (UCLK) for AMD Zen family.
- Added preliminary support of Intel Elkhart Lake.
- Fixed reporting of NVMe capacity when LBA data size > 512B.
- Added reporting of CPU Thermal Trip Limit and HTC Temperature Limit for AMD Zen.
- Updated reporting of CPU VDD and SoC SVI2 current/power on some MSI mainboards.
- Added monitoring of per-CCD Tdie temperatures for AMD Zen2.

- Improved support of several legacy (ISA, VLB) (S)VGA adapters.
- Fixed reporting of GPU fan RPM on AMD Navi.
- Added monitoring of voltage, current and power of EVGA RTX 20-series ICX GPUs.

Latest v6.10
Released on Jul-31-2019

- Enhanced sensor monitoring on ASUS CROSSHAIR VIII series.
- Added monitoring of AMD X570 chipset temperature.
- Enhanced sensor monitoring on ASUS PRIME X570 and TUF X570 series.
- Enhanced sensor monitoring on ASUS Pro WS X570-ACE.
- Added NVIDIA GeForce RTX 2060 SUPER, 2070 SUPER and 2080 SUPER.
- Added monitoring of Infineon XDPE10281 on GPU (Galax RTX 2080 Ti HOF).
- Enhanced sensor monitoring on ASRock X570 series.
- Enhanced sensor monitoring on ASUS ROG STRIX B365-F and STRIX B365-G.
- Added reporting of Favored Cores List for Intel CPUs.
- Several minor improvements and bugfixes.
- Preliminary sensor monitoring enhancements for ASUS ROG ZENITH II and X590 series.
- Added ability to show custom sensors.

Latest v6.08
Released on Jun-19-2019

- Improved support of Willow Cove-based platforms.
- Added reporting of drive controller linked to respective device node.
- Improved sensor monitoring on EVGA X299 DARK.
- Enhanced sensor monitoring on Supermicro C9Z390 series.
- Added content anchors to HTML report.
- Added reporting of memory channels supported capability for later CPUs.
- Added preliminary support of Intel Sapphire Rapids.
- Fixed support of Nuvoton NCT6116D.
- Fixed detection of TPM.
- Enhanced sensor monitoring on MSI X570 series mainboards.
- Improved support of SCSI/SAS drives, added reporting and monitoring of health status.
- Fixed broken support of Itanium processors.
- Revamped listing of supported memory module clocks.
- Enhanced sensor monitoring on ASUS ROG STRIX X570-F GAMING.

Latest v6.06
Released on May-15-2019

- Added ability to change sensor graph background colors.
- Enhanced sensor monitoring on MSI MEG X299 CREATION and other X299 series.
- Fixed sensor monitoring on ASUS P8H77-I and P8H77-V LE.
- Added support for monitoring of NZXT Grid+ V3 fans.
- Enhanced support of Intel Ice Lake-SP and Snow Ridge.
- Added reporting and monitoring of overclocking ratio limits on Intel CPUs.
- Added preliminary support of Intel Tiger Lake.
- Added support of Zhaoxin KaiXian CPUs.
- Fixed identification of some vintage mainboard models.
- Security hardening against DLL hijacking attacks.
- Improved support of some ancient systems (Pentium-class, Windows 98, NT).

- Improved reporting of NVIDIA SLI status.

Latest v6.04
Released on Apr-03-2019

- Full AMD Radeon VII monitoring support.
- Added Intel Cooper Lake and Snow Ridge.
- Improved configuration of tray icons.
- Improved support of multiple devices behind Intel VROC.
- Added monitoring of Corsair Platinum series (H100i, H115i) coolers.
- Improved AMD Zen2 support.
- Added reporting of TDC and EDC limits for AMD Zen CPUs.
- Improved detection of serial ports.
- Fixed reporting on system temperature on some MSI mainboards.
- Fixed occasional 0 RPM fan values on some systems with ITE SIOs.
- Added preliminary support of Intel Emmitsburg.
- Added preliminary support of AMD Navi.
- Added reporting of DIMM temperatures via IMC on Sandy Bridge and later server CPUs.
- Added several new CPU and GPU models.
- Minor improvements to UI and bug fixes.

Latest v6.02
Released on Feb-21-2019

- Added monitoring of EVGA iCX sensors on 20-series GPUs.
- Added monitoring of DELL AC Adapter Power Rating.
- Fixed switching off RGB lightning on MSI RTX 2080/2070 Gaming X Trio.
- Added monitoring of fan speeds on Clevo P870DM and P870KM series.
- Enhanced sensor monitoring on ASUS ROG ZENITH EXTREME ALPHA.
- Enhanced sensor monitoring on EVGA Z390 DARK.
- Enhanced sensor monitoring on ASUS B365 series mainboards.
- Added detection of maximum clock for AMD Zen.
- Added spin-down delay for fan control.
- Added automatic disabling/enabling of system auto fan control on DELL systems.
- Added AMD Radeon VII.
- Enhanced sensor monitoring on ASUS RAMPAGE VI EXTREME OMEGA.
- Added reporting of serial number for AMD Ryzen CPUs and Vega GPUs.
- Improved monitoring of ISL69138.
- Enhanced sensor monitoring on ASUS ROG DOMINUS EXTREME.
- Fixed reporting of some parameters on CPUs with non-linear APIC IDs.
- Enhanced support of Intel Comet Lake.
- Added Intel Integrated Clock Control support for Skylake and later families.
- Improved update notifications, added manual update check.
- Enhanced sensor monitoring on ASUS MAXIMUS XI APEX.
- Added monitoring of "PMAX Limit/VCCIN Under-Voltage" status for Skylake-X.
- Optimized memory usage.
- Improved support of AMD Radeon VII.

Latest v6.00
Released on Dec-20-2018

- Enhanced sensor monitoring on GIGABYTE H370 series mainboards.
- Fixed sensor monitoring on GIGABYTE Z390 M GAMING.

- Added monitoring of VRM temperature on some ASUS MAXIMUS XI HERO/CODE/FORMULA mainboards.
- Added monitoring of external fans on ASUS ROG STRIX GTX 1080.
- Enhanced sensor monitoring on ASRock X399 Phantom Gaming 6.
- Added monitoring of overclocking voltage offsets on later Intel CPUs.
- Improved identification of drives connected to some Silicon Image SATA/RAID controllers.
- Enhanced sensor monitoring on GIGABYTE B360 and H310 series mainboards.
- Added reporting of AVX2 turbo limit ratios for Kaby Lake and Coffee Lake.
- Fixed reporting of GPU Power and some other information on NVIDIA GPUs using later drivers.
- Added detection of DCH-compliant GPU drivers.
- Added reporting of AC/DC Loadline value for Skylake, Kaby Lake and Coffee Lake.
- Added option for bold font in tray icon.
- Added reporting of basic SVID voltage regulator information and **universal VR temperature monitoring for Haswell and later CPUs**.
- Added monitoring of Memory Controller 0/1 voltage (VCCP) on Skylake-X, Skylake-SP and Cascade Lake.
- Added reporting of Maximum Memory Capacity limit by CPU on Skylake-SP and Cascade Lake.
- Enhanced sensor monitoring on ASUS WS C246M PRO.

Latest v5.92
Released on Nov-21-2018

- Added support of Aquacomputer Quadro.
- Added monitoring of additional UPS models.
- Fixed Vcore and other voltage monitoring on MSI MEG Z390 ACE.
- Added recognition of several NVIDIA RTX 2070 card models.
- Added workaround for ASUS ROG STRIX B450/X470 boards with buggy WMI implementation.
- Fixed monitoring of GPU usage on AMD Polaris series with later drivers.
- Added support of Aquacomputer D5 Next.
- Improved drive enumeration for AMD StoreMI.
- Added preliminary support of Intel Comet Lake.
- Enhanced sensor monitoring on GIGABYTE B450 series mainboards.
- Reduced memory usage.
- Enhanced support of AMD Vega12 and Vega20.
- Enhanced sensor monitoring on ASUS PRIME X299-DELUXE II and WS Z390 PRO.
- Added reporting of SMU Firmware Version for later AMD GPUs.
- Added AMD Radeon RX 590.
- Added monitoring of Renesas ISL69138 VRM controller.
- Enhanced sensor monitoring on ASUS STRIX B450-E GAMING.

Latest v5.90
Released on Oct-16-2018

- Added NVIDIA TU106 and GeForce RTX 2070.
- Removed invalid Uncore VID reporting on some CPUs.
- Fixed reporting of CPU temperature on some MSI Ryzen mainboards.
- Enabled monitoring of some temperatures on ASUS MAXIMUS VII and Z97 series.
- Enhanced sensor monitoring on GIGABYTE Z390 series mainboards.
- Improved detection of EVGA iCX sensors.
- Added recognition of several NVIDIA RTX 2080 and RTX 2080 Ti card models.

- Fixed causing of high CPU VID on some AMD SP3, TR and TR2 systems.
- Improved sensor monitoring on several ASRock Ryzen mainboards.
- Added Cascade Lake B0 stepping.
- Added monitoring of GPU fan RPM on NVIDIA Turing.
- Added reporting of Ring to Core Offset status for Intel Kaby Lake/Coffee Lake.
- Enhanced sensor monitoring on ASRock Z390 series mainboards.
- Enhanced sensor monitoring on ASUS PRIME Z390, TUF Z390, ROG STRIX Z390 and MAXIMUS XI series mainboards.
- Added detection of fake NVIDIA GPUs.
- Added AMD Radeon RX 580 2048SP.

Latest v5.88
Released on Sep-04-2018

- Enhanced sensor monitoring on MSI MS-7B10.
- Fixed NXZT Kraken X52/X62 support on some systems.
- Disabled ASUS WMI support on current BIOSes due to a faulty BIOS implementation.
- Added NVIDIA TU102 and TU104.
- Fixed stopping of fan on Corsair RMi PSUs.
- Enhanced sensor monitoring on ASUS STRIX B450-F and STRIX B450-I.
- Added NVIDIA Quadro P3200 and P4200.
- Enhanced sensor monitoring on ASRock X470 and B450 series mainboards.
- Enhanced sensor monitoring on MSI MEG X399 and MEG/MPG Z390 mainboards.
- Added NVIDIA Turing branding.
- Added support of Intel Amber Lake.

Latest v5.86
Released on Jul-12-2018

- Fixed a possible collision with CPU-Z or CorsairLink on ASUS Ryzen systems.
- Fixed a possible crash when monitoring multiple machines remotely.
- Enhanced reporting of some sensors via ASUS WMI interface.
- Disabled periodic polling of APIC timer clock (BCLK) on Windows 10 RS4 (1803) to avoid potential conflicts with OS.
- Improved support of Intel Ice Lake.
- Improved reporting of total memory size when SPD information is not available.
- Added reporting of remaining battery time in sensors.
- Enhanced sensor monitoring on ASUS B450 series mainboards.
- Added support of Fintek F71809 HW monitor.
- Enhanced sensor monitoring on MSI B450 and Z390 series mainboards.
- Enabled running under Windows 10 on ARM (preliminary).
- Added detection of ES/production status for AMD Zen CPUs.

Latest v5.84
Released on May-23-2018

- Enhanced sensor monitoring on ASRock Z270M-ITX.
- Fixed a possible crash on some systems with larger VBIOSes.
- Fixed enumeration of multiple VBIOSes in VFCT.
- Enhanced sensor monitoring on MSI X470 series mainboards.
- Enhanced sensor monitoring on ASUS X470 series mainboards.
- Updated monitoring of stopped fan on Sapphire Radeon RX Vega GPUs.
- Enhanced sensor monitoring on GIGABYTE X470 series mainboards.

- Enhanced sensor monitoring on ASRock Z370M Pro4.
- Fixed monitoring of Extension/Assistant fans on some ASUS 100-300 Intel series boards.
- Added reporting of Core Performance Order for AMD Pinnacle Ridge.
- Added a workaround for problems installing driver on some systems.
- Added reporting of Secure Boot state.
- Fixed monitoring of EC temperatures on some ASUS Z170 series mainboards.
- Fixed a possible crash on some systems using Microsoft East Asian/IME keyboards.
- Added reporting of FPGA information via SMBIOS.
- Enabled DELL EC sensor on Alienware Aurora systems.

Latest v5.82
Released on Apr-12-2018

- Fixed a possible BSOD on some older machines.
- Fixed a possible application crash on some AMD Bulldozer systems.
- Fixed a possible application crash on some systems with Chinese or Japanese keyboard.
- Enhanced sensor monitoring on ASUS H370, B360 and H310 series.

Latest v5.80
Released on Apr-10-2018

- Security hardening of the HWiNFO kernel driver.
- Added support of Nuvoton NCT6797D/NCT5567D LPC/HW monitor.
- Enhanced sensor monitoring of future MSI 3xx mainboard series.
- Added fan speed monitoring on several new ASUS notebook models.
- Fixed reporting of current DMI link speed for several Intel CPUs.
- Fixed reporting of AMD Zen temperature when using alternate scale range.
- Added support of some ACPI sensors on Windows 10.
- Enhanced sensor monitoring on ASUS G11CD.
- Enhanced support of Intel Denverton.
- Added monitoring of new AMD GPU Memory Usage parameter.
- Extended reporting of AMD graphics driver version.
- Enhanced sensor monitoring on EVGA X299 DARK.
- Added universal monitoring of GPU Video Encode/Decode/Processing, Computing, VR usage on Windows 10.
- Enhanced sensor monitoring on ASUS H370, B360 and H310 series.
- Enhanced sensor monitoring on ASRock H370, B360 and H310 series.
- Added reporting of VIA/S3G Chrome 64x GPU clocks.
- Added a dedicated GPU sensor for GPUs other than Intel, AMD, NVIDIA.

Latest v5.74
Released on Mar-06-2018

- Added several new Intel and AMD CPU models.
- Fixed a possible crash on some later AMD GPUs.
- Updated disk activity sensor names on some systems.
- Fixed a possible crash on some systems with multiple network adapters.
- Fixed crashing on AMD Vega M GPUs (Kaby Lake-G).
- Enhanced sensor monitoring on ASUS ROG STRIX X370-I GAMING.
- Fixed summary window size when changing monitor scaling.
- Enhanced sensor monitoring on ASRock H110M-DGS.
- Updated reporting of ASUS waterflow sensors.

- Enhanced sensor monitoring on ASUS WS-C621E-SAGE.
- Fixed a possible crash during short report file creation on systems with NVMe.
- Enhanced sensor monitoring on ASUS ROG STRIX B350-I GAMING.
- Enhanced sensor monitoring on ASUS TUF B350M-PLUS GAMING and B350M-DRAGON.

Latest v5.72
Released on Jan-31-2018

- Added recognition of AMD 400-series chipset.
- Improved recognition of Bay Trail steppings.
- Enhanced reporting of turbo ratio limits with fused and resolved values (BDX, SKX).
- Added option to disable access to Corsair and some Asetek-based coolers.
- Added recognition of some future AMD Vega and Navi GPUs.
- Added NVIDIA Quadro V100.
- Added reporting of GPU VRAM module model for some AMD GPUs.
- Fixed enumeration of RAID drives on AMD Promontory chipsets.
- Fixed disk activity sensor names on some RAID systems.
- Enhanced preliminary support of Ice Lake-SP (ICX).
- Fixed reporting of Total Memory Encryption feature status in summary.
- Added reporting of active memory channels on AMD Zen.
- Enhanced monitoring of Intel GPU video decode usage.
- Fixed flickering of RTSS OSD in some applications with high framerates.
- Added monitoring of Corsair H80i Pro, H100i Pro, H115i Pro and H150i Pro.
- Improved enumeration of network adapters.
- Enhanced support of AMD Radeon RX Vega M.
- Enhanced monitoring of new Intel Compute Card models.
- Unified HWiNFO32 and HWiNFO64 packages (universal installer, combined portable).

Latest v5.70
Released on Dec-11-2017

- Enhanced sensor monitoring on EVGA X299 FTW K.
- Added reporting of more AVX-512 features supported.
- Added reporting Secure Memory Encryption (AMD) / Total Memory Encryption (Intel) supported.
- Added monitoring of Intel GPU (GT) and Media Engine Usage for Skylake and later iGPUs.
- Fixed reporting of some EC voltages on ASUS X99-DELUXE II, STRIX X99, X99-A II and RAMPAGE V EDITION 10 series.
- Enhanced sensor monitoring on ASRock IMB-19x series.
- Enhanced sensor monitoring on ASUS WS X299 PRO.
- Enhanced SPD information for NVM (AEP) DIMMs.
- Enhanced preliminary support of Intel Ice Lake.
- Fixed reporting of temperatures on AMD Vega since Crimson 17.11.2 driver.
- Added reporting of CPU per-core turbo ratios (IA/SSE, AVX2, AVX-512) for Intel.
- Added several Coffee Lake CPU models.
- Improved access to Intel Management Engine.
- Improved BCLK measurement on Skylake-X/SP CPUs.
- Fixed a rare crash on some AMD Multi-GPU systems.
- Fixed reporting of VDDC on some Bonaire/Hawaii GPUs using later AMD drivers.
- Fixed sensor monitoring on some MSI X99A series.
- Added recognition of AMD Pinnacle Ridge.

- Added reporting of CPU TDP and Tj,max for AMD Zeppelin family.
- Added an universal method for determining Tctl_offset for AMD Zeppelin family.
- Improved reading the real CPU model to avoid fakes for AMD Zen family.
- Added monitoring of CPU Cache/Mesh voltage for ASUS RAMPAGE VI APEX/EXTREME (requires new BIOS).
- Improved support of AMD Raven Ridge.
- GPU I2C support is now automatically disabled on AMD Vega series to prevent a possible system crash.
- Automatic disabling of GPU I2C support can be circumvented using a new GPU I2C Support Force option.
- Added several new GPU card models.
- Added preliminary support of Whiskey Lake.
- Added NVIDIA TITAN V.

Latest v5.60
Released on Nov-02-2017

- Enhanced sensor monitoring on ASUS STRIX Z370-E,-F,-G,-H,-I GAMING.
- Enhanced sensor monitoring on ASUS PRIME Z370-A,-P.
- Enhanced sensor monitoring on ASUS TUF Z370-PLUS,-PRO GAMING.
- Enhanced sensor monitoring on ASUS MAXIMUS X APEX.
- Enhanced sensor monitoring on GIGABYTE Z370 series.
- Fixed sensor monitoring on some MSI mainboards for Ryzen.
- Added option to make the sensors window always on top.
- Fixed sensor monitoring on ASRock Z270M Pro4, H270M Pro4, H270M Performance.
- Added NVIDIA GeForce GTX 1070 Ti.
- Added several new NVIDIA Volta models (GV100-A, GV100-B), Tesla V100.
- Enhanced sensor monitoring on some ASRock X299 and Z370 series.
- Added monitoring of GPU Hot Spot Temperature for AMD Vega.
- Added monitoring of GPU SoC clock for AMD Vega.
- Added reporting of NVIDIA GeForce driver version.
- Fixed reporting of Radeon Vega GPU chip power since Crimson ReLive Fall Creators Update.
- Fixed reading of W_PUMP+ on some ASUS mainboards.
- Updated reporting of SVI2 telemetry for Threadripper.

Latest v5.58
Released on Sep-28-2017

- Fixed reporting of GPU VDDC and MVDCC on AMD Radeon RX Vega.
- Fixed reporting of GPU memory current/power on AMD Radeon RX Vega.
- Fixed monitoring of some disk activity sensors.
- Enhanced sensor monitoring on ASRock X399 series.
- Added preliminary support of Intel Ice Lake.
- Updated monitoring of GPU Chip Power on AMD Radeon RX Vega.
- Fixed reporting of estimated efficiency of some Corsair PSUs.
- Enhanced sensor monitoring on MSI Z370 series.
- Enhanced sensor monitoring on Biostar TB250 series.

Latest v5.56
Released on Aug-14-2017

- Enhanced sensor monitoring on ASRock X299 series.

- Enhanced sensor monitoring on GIGABYTE GA-990X-Gaming SLI-CF.
- Improved RTSS OSD handling, added new options.
- Enhanced sensor monitoring on MSI X399 series.
- Enhanced sensor monitoring on ASUS ROG CROSSHAIR VI EXTREME and ROG ZENITH EXTREME.
- Enhanced sensor monitoring on ASUS ROG RAMPAGE VI APEX.
- Reverted AMD GPU fan speed monitoring to direct method due to a bug in AMD ADL.
- Enhanced sensor monitoring on GIGABYTE X399 series mainboards.
- Fixed a possible system hang on GIGABYTE mainboards with IT8792E/IT8795E.
- Added several new CPU logos.
- Enhanced sensor monitoring on ASUS ROG RAMPAGE VI EXTREME.
- Added support of Aquacomputer farbwerk temperature monitoring.
- Fixed GPU utilization reporting stuck on some Radeon RX 5xx series GPUs.
- Enhanced sensor monitoring on ASUS PRIME X399-A.
- Added AMD Radeon RX Vega 56, 64, 64 Liquid Cooling.
- Added AMD Radeon Instinct MI25, MI25x2, Radeon Pro V320, V340, Radeon Pro SSG, Radeon Pro WX 9100.

Latest v5.54
Released on Jul-06-2017

- Extended reporting of NVMe drive temperatures and added thresholds to sensors.
- Improved calculation of Corsair PSU efficiency.
- Added monitoring of EVGA iCX additional GPU temperatures and fans.
- Added support of Corsair Link Commander Pro (CLCP).
- Added reporting of CPU process technology (nm).
- Added monitoring of NVIDA GPU performance limiting reasons.
- Enhanced sensor monitoring on ASUS ROG STRIX X299-E GAMING.
- Enhanced sensor monitoring on ASUS PRIME X299-A, PRIME X299-DELUXE and TUF X299 series.
- Enhanced sensor monitoring on MSI X299 series mainboards.
- Improved measuring of BCLK on Skylake-X.
- Fixed a bug causing Shift- and Alt- hot key combinations not to work properly.
- Added support of RTSS OSD custom colors (requires RTSS v7.0.0 or later).
- Added support of RTSS OSD graphs (requires RTSS v7.0.0 beta 24 or later).
- Added AMD Radeon Vega Frontier Edition.
- Added option to specify custom/fixed font size for tray icons.
- Improved option for number alignment in RTSS OSD.
- Enhanced sensor monitoring on ASUS ROG ZENITH EXTREME.
- Enhanced sensor monitoring on GIGABYTE X299 series.
- Added support of AMD Radeon Vega.

Latest v5.52
Released on May-23-2017

- Enhanced sensor monitoring on some ASRock B350 series mainboards.
- Added NVIDIA TITAN Xp.
- Enhanced sensor monitoring on ASUS PRIME A320M-K.
- Fixed a possible crash on some systems with invalid driver dates.
- Enhanced sensor monitoring on EVGA X99 Micro.
- Enhanced sensor monitoring on some later Intel NUC systems.
- Added Intel Cannon Lake PCH and Lewisburg SKU brand names.
- Enhanced enumeration of USB hubs.

- Enhanced sensor monitoring on ASUS PRIME X370-A.
- Fixed sensor monitoring on some MSI X370/B350 series mainboards.
- Fixed VDD/NB voltage monitoring on Richtek RT8894A/ASP1106.
- Added a new option for AMD GPUs to prefer ADL information instead of direct instantaneous methods.
- Added a new sensor column to show profiling time (time required to read entire sensor and value data).
- Fixed a possible hang on some secondary NVIDIA GPUs.
- Added support of ATA Device Statistics.
- Fixed reporting of Trfc on Ryzen when DIMM0 is not populated.
- Enhanced sensor monitoring on ASUS ROG STRIX X370-F and ROG STRIX B350-F.

Latest v5.50
Released on Apr-04-2017

- Added NVIDIA GeForce GTX 1080 Ti.
- Fixed reporting of AMD Ryzen memory timings if first memory controller is not active.
- Fixed occasional erratic sensor readouts on ASUS CROSSHAIR VI HERO.
- Added reporting of SMU Firmware Revision for AMD Ryzen.
- Enhanced sensor monitoring on ASUS SABERTOOTH 990FX R3.0.
- Fixed reporting of CPB status on AMD Ryzen.
- Simplified adjusting of sensor item settings via right-click context menu.
- Added board-level monitoring of CPU current and power on ASUS CROSSHAIR VI and PRIME X370.
- Enhanced sensor monitoring on GIGABYTE X370 series mainboards.
- Enhanced sensor monitoring on some ASRock X370 series mainboards.
- Added support of some later Corsair H110i coolers.
- Added reporting of AMD AGESA version.
- Added a new telemetry method to monitor Ryzen CPU+SoC voltage, current and power.
- Improved support of Intel Skylake-SP.
- Fixed monitoring of water sensor temperatures on ASUS MAXIMUS IX and CROSSHAIR VI series.
- Added AMD Radeon RX 570 and RX 580.
- Improved support of AMD ThreadRipper.

Latest v5.46
Released on Mar-08-2017

- Added sensor table row shading.
- Fixed detection of some On Semi/ASUS EPU2 sensors.
- Enhanced support of Intel Coffee Lake.
- Enhanced sensor monitoring on MSI Ryzen mainboards.
- Added fan speed monitoring on ASUS X75 series notebooks.
- Fixed capacity reporting for drives with more than 512B logical sector size.
- Raised maximum number of remote monitored machines to 50.
- Added AMD Ryzen logo.
- Enhanced sensor monitoring on some ASUS X370 and B350 series mainboards.
- Enhanced sensor monitoring on some GIGABYTE X370 and B350 series mainboards.
- Improved appearance of transparent sensor tray icons.
- Added support of ITE IT8655E LPC.
- Added support of NVMe drives in Intel RST RAID mode.

Latest v5.44
Released on Feb-01-2017

- Fixed reporting of AMD GPU fan speed when not spinning.
- Fixed support of multi-node AMD CPUs.
- Enhanced sensor monitoring on more ASUS 200-series mainboards.
- Enhanced sensor monitoring on several ASRock 100- and 200-series mainboards.
- Added NVIDIA Quadro P400,P600,P1000,P3000,P4000,P5000, Quadro GP100, Tesla P6.
- Added monitoring of NXZT Kraken X52.
- Fixed reporting of ECC support for DDR4 moduels.
- Added support of ITE IT8915FN monitoring on GPU.
- Added preliminary support of Intel Cannon Lake.

Latest v5.42
Released on Dec-22-2016

- Added preliminary support of Intel Knights Mill.
- Fixed reporting of some specific IPMI sensor values.
- Enhanced sensor monitoring on ASUS MAXIMUS IX.
- Changed reporting of NVMe drive failure state.
- Improved NVMe drive enumeration, removed duplicate entries on some systems.
- Fixed disappearing of sensor units in gadgets when the average column is hidden.
- Enhanced sensor monitoring on ASUS PRIME Z270 and TUF Z270.
- Fixed reporting of drive temperature for some drives.
- Fixed drive enumeration via CSMI-SAS and Intel RST v15 support.
- Enhanced sensor monitoring on ASUS X99-E-10G WS.
- Added reporting of detailed SMART failure/warning in sensors.
- Fixed monitoring of GPU VR, VRM, Liquid temperatures with AMD Crimson ReLive 16.12.2 or later.
- Added preliminary support of AMD Polaris 12.
- Fixed drive health indicator for Samsung SSDs.
- Enhanced sensor monitoring on ASRock 200-series mainboards (preliminary).

Latest v5.40
Released on Nov-22-2016

- Fixed and enhanced support of AMD Zen/Summit Ridge.
- Enhanced support of ITE IT8665E LPC/SIO.
- Enhanced reporting of AMD OPN.
- Fixed monitoring of CPUs on some systems with multiple CPU packages.
- Enhanced sensor monitoring on ASUS CROSSHAIR VI.
- Enhanced sensor monitoring on GIGABYTE B150 series mainboards.
- Enhanced sensor monitoring on MSI 200-series mainboards.
- Added support of Nuvoton NCT6795D and NCT5565D HW monitors.
- Enhanced sensor monitoring on ASUS H97-PRO GAMER.
- Improved idle fan speed monitoring on NVIDIA GPUs.
- Added several new NVIDIA and AMD GPU card models.
- Revised reporting of AMD internal CPU temperature.
- Added monitoring of CPU/Core Critical Temperature and Power Limit Exceeded status.
- Changed order of some CPU sensors. Some users might need to reconfigure their custom order.

Latest v5.38
Released on Oct-12-2016

- Improved GPU I2C caching for faster startup on some GPUs.
- Fixed a possible crash on some systems with IPMI.
- Added monitoring of GPU Chip Power (estimated) for AMD Hawaii and later GPUs.
- Improved monitoring Frames per Second (FPS) via RTSS.
- Fixed some sensor values for ASUS Z170I PRO GAMING.
- Enhanced NVIDIA SLI status reporting.
- Added NVIDIA GeForce GTX 1050 and GTX 1050 Ti.
- Enhanced/fixed sensor monitoring on some ASUS, MSI and GIGABYTE mainboards.
- Added AMD Radeon Pro WX 4100, 5100, 7100 and Radeon E9260.
- Added support of ITE IT8686E LPC/hardware monitor.
- Enhanced sensor monitoring on GIGABYTE Z270 series (preliminary).
- Improved reporting of some disk S.M.A.R.T. attributes.
- Added reporting of OPN for some AMD CPUs.

Latest v5.36
Released on Sep-13-2016

- Enhanced sensor monitoring on ASUS 970 Pro Gaming/Aura.
- Fixed recognition of AMD Radeon RX 460.
- Added support of Areca SAS/SATA RAID controllers.
- Fixed some sensor values for ASUS STRIX X99, X99-DELUXE II, RAMPAGE V EDITION 10 and X99-A II boards.
- Fixed GPU Voltage monitoring with On Semi NCP81022.
- Improved appearance on Hi-Res displays with custom scaling.
- Fixed memory timings for Apollo Lake.
- Improved support of Gemini Lake.
- Fixed and improved support of Polaris 11 family.
- Added monitoring of GPU Memory Errors for ECC-capable NVIDIA GPUs.
- Added option to specify individual polling rate for EC sensor.
- Enhanced support of Intel Kaby Lake.

Latest v5.34
Released on Aug-03-2016

- Added monitoring of extension and assistant fans on some ASUS X99/Z170 series.
- Added option to change sensor logging (CSV) separator.
- Added option to specify individual polling rate for disk S.M.A.R.T. status.
- Added support of more International Rectifier PMBus-compliant VRMs.
- Added switching between screens using arrow keys on Logitech G19 LCD.
- Added synchronization with Corsair Link Software v4.2.4.25 and later.
- Added option to disable NVML support to workaround a bug in NVIDIA SLI-enabled systems using R368 and some later drivers.
- Added reporting of PSU efficiency for Corsair AXi/HXi/RMi series.
- Enhanced sensor monitoring on ASRock E3V5 WS.
- Added fan speed and additional temperature monitoring on HP Z440 Workstation.
- Added C-State Residency monitoring for Intel CPUs.
- Added preserving of column widths for all lists in the sensors screen.
- Added NVIDIA Tesla P100, Titan X (Pascal), Quadro P6000, Quadro P5000 and GeForce GTX 1060 3GB.
- Improved monitoring of Corsair H80i v2, H100i v2 and H115i.

Latest v5.32
Released on Jul-06-2016

- Fixed waking of NVIDIA DGPUs disabled by Optimus using driver v368.22 and later.
- Enhanced sensor monitoring on EVGA Z170 series.
- Enhanced sensor monitoring on ASUS X99-DELUXE II.
- Added voltage monitoring for NVIDIA Pascal GPUs.
- Enhanced sensor monitoring on ASUS X99-A II, RAMPAGE V EDITION 10 and STRIX X99 GAMING.
- Added ability to change font in sensors screen.
- Enhanced sensor monitoring on GIGABYTE F2A55, F2A58, F2A68, F2A75 and F2A88 series.
- Fixed GPU clock and ASIC quality reporting on AMD Polaris.
- Enhanced preliminary AMD Zen support.
- Fixed GPU Memory Controller Utilization reporting AMD Polaris.
- Added NVIDIA GeForce GTX 1060.

Latest v5.30
Released on Jun-01-2016

- Enhanced AMD Polaris support.
- Changed MVDDC to VDDCI on AMD Bonaire, Hawaii, Tonga.
- Added support of SMSC SCH5627 and SCH5636 HW monitors.
- Added NVIDIA GeForce GTX 1080.
- Added support of AquaStream Ultimate.
- Removed showing of average values for some sensors where this has no meaning.
- Added experimental reporting of CPU current/power for some later ASUS mainboards.
- Added reporting of ASIC Quality for AMD RV7xx/M9x and later GPUs.
- Added reporting of ASIC Quality for NVIDIA Fermi, Kepler and Maxwell GPUs.
- Added reporting of GPU Memory Vendor for AMD RV7xx/M9x and later GPUs.
- Added monitoring of GPU Memory Errors (EDC) for AMD Evergreen and later GPUs (except Fiji).
- Added preliminary support of NVIDIA GP100, GP102, GP106, GP107, GP108.
- Added NVIDIA GeForce GTX 1070.

Latest v5.24
Released on Apr-27-2016

- Fixed SMBus problems on MSI 100-series mainboards with LED controllers.
- Fixed a memory leak in server side of remote sensor monitoring.
- Clicking the sensor graph plot area will toggle it to occupy the entire window width.
- Added reporting of GPU TMU count.
- Added AMD Radeon Pro Duo.
- Enhanced NVMe support.
- Enhanced sensor monitoring on ASUS Z97-PRO GAMER.
- Fixed a rare crash during closing on some machines with NVIDIA GPU.
- Added monitoring of CPU Power Limits on systems where these can change during runtime.

Latest v5.22
Released on Mar-16-2016

- Fixed a possible hang in sensors when system is using multiple page files.

- Added hotkeys to disable/hide sensors.
- Improved handling of invalid sensor values.
- Disabled GPU I2C access on Fiji again due to stability issues.
- Enhanced GPU temperature monitoring on Fiji (VR VDDC, VR VDD, Liquid).
- Fixed CPU Power measurement on Haswell systems with overclocked BCLK.
- Added monitoring of GPU VDDC for AMD Fiji.
- Added monitoring of GPU Current and Power for AMD Hawaii/Bonaire and later generations.
- Fixed SMBus issues on some Fujitsu machines.

Latest v5.20
Released on Feb-09-2016

- Fixed monitoring of total/NAND reads/writes for some SanDisk drives.
- Extended NVMe S.M.A.R.T. status and fixed total writes amount.
- Fixed reporting of sub-zero temperatures on NVIDIA GPUs.
- Added support of Samsung SSD 950 Pro using the default Microsoft NVMe driver.
- Added preliminary support of AMD Ellesmere, Baffin, Greenland.
- Fixed GPU I2C access on AMD Tonga/Amethyst.
- Added options to choose which type of values (current, mix, max, average) to show in tray, LG LCD and RTSS.
- Enhanced sensor monitoring on ASUS Z170-PREMIUM.
- Added support of IRF IR35201.
- Added monitoring of page file usage.
- Added support of Corsair H80i v2, H100i v2 and H115i.
- Improved monitoring of WHEA errors.
- Enabled GPU I2C access on Fiji (GPU VRM monitoring). Might need Reset GPU I2C Cache first.
- Enhanced sensor monitoring on ASUS Z97-P.
- Enhanced DELL EC sensor monitoring.

Latest v5.12
Released on Jan-07-2016

- Improved drive scan safety.
- Improved sensor list color notification of alarms.
- Enhanced support of Intel Kaby Lake.
- Added monitoring of Windows Hardware Error Architecture (WHEA) errors.
- Updated sensor graphs to reflect custom value formats.
- Added support of direct-connected Corsair AXi/HXi series PSUs.
- Added monitoring of drive/NAND lifetime reads/writes (S.M.A.R.T.).
- Added monitoring of drive read/write total since last boot.

Latest v5.10
Released on Nov-19-2015

- Enhanced support of Intel Knights Landing.
- Enhanced support of Intel Kaby Lake and Denverton.
- Added workaround for some Intel RSTe drivers causing crash.
- Added new sensor to monitor current memory timings.
- Restored lost Windows 98 compatibility.
- Added monitoring of Thermaltake DPS PSUs.
- Added monitoring of Enermax Digifanless PSUs.
- Added monitoring of Corsair RMi and HXi series PSUs.

- Enhanced sensor monitoring on ASUS H110 series.
- Enhanced reporting of ATA features (security, version).
- Fixed SMART reporting on Samsung NVMe drives (requires latest 950 Pro driver).
- Added option to show average values in tray and to divide values by 1000.
- Added ability to specify a custom period (last N samples) for calculating average sensor values.
- Fixed monitoring of AMD Carrizo and Nolan CPU sensors.
- Added monitoring of HID-capable UPS devices.
- Fixed enumeration of some USB3 xHCI Controllers.

Latest v5.06
Released on Oct-14-2015

- Added recognition of AMD Radeon R9 Nano.
- Fixed a possible crash on older Non-ACPI systems.
- Removed thousands separator from CSV log.
- Enhanced support of Intel Goldmont family (Apollo Lake, Denverton).
- Added a global setting to modify thousands separator.
- Several minor improvements and fixes.
- Added recognition of AMD Bristol Ridge.
- Added reporting of Software Guard Extensions (SGX) capability in summary window.
- Added reporting of Speed Shift Technology (HWP) capability and status in summary window.
- Added new Intel HD Graphics SKUs (Skylake, Kaby Lake, Cannonlake).
- Added preliminary recognition of AMD Zen (Summit Ridge, Raven Ridge).
- Added monitoring of Package/Ring Thermal Throttling for Intel Sandy Bridge and later.

Latest v5.04
Released on Sep-09-2015

- Added customizable thousands separator for values in sensors window.
- Improved support of AMD Radeon R9 Fury series.
- Added monitoring support of some Asetek-based coolers (Corsair H80iGT/H100iGTX/H110iGTX, NZXT Kraken X31/X41, Antec Kuhler H2O 920).
- Enhanced sensor monitoring on ASUS Z170 and MAXIMUS VIII series.
- Enhanced sensor monitoring on ASRock X99 and Z170 series.
- Added NVMe support (information, SMART health status).
- Enhanced sensor monitoring on GIGABYTE Z170 series.
- Fixed publishing of remote sensor data to plug-ins.
- Added NVIDIA GeForce GTX 950.
- Optimized Embedded Controller (EC) access (lower system latency).
- Enhanced sensor monitoring on ASUS H170, B150 and SABERTOOTH Z170 series.
- Changing "Low-level PCI Access" option to enabled by default for better reliability.
- Enhanced sensor monitoring on ECS Z170.

Latest v5.02
Released on Jul-20-2015

- Fixed a serious memory leak causing rising memory usage.
- Fixed CPU usage monitoring when System Summary window is active.
- Some minor bugfixes and enhancements.

Latest v5.00

Released on Jul-15-2015

- Added support of Remote Sensor Monitoring within local network.
- Added support of Nuvoton NCT6793D.
- Enhanced detection and reporting of SMART status for some drives including SAS.
- Added proper recognition of AMD 3xx Series GPUs (Grenada, Antigua, Trinidad, Tobago).
- Added recognition of AMD Radeon R9 Fury and Radeon R9 Fury X.
- Added reporting of GPU clock for Intel Braswell.
- Added support of ITE IT8628 LPC/HW Monitor.
- Fixed a bug preventing displaying of the RTSS FPS counter in recent versions.
- Added monitoring of Performance Limit Reasons (why frequency is limited), available for Haswell, Skylake, Knights Landing.
- Added reporting of System Agent and Imaging Unit clock for Skylake and Apollo Lake.
- Added monitoring of GPU Memory Controller Utilization for AMD Iceland, Topaz, Tonga, Amethyst, Fiji.
- Enhanced sensor monitoring on MSI 100-series mainboards.
- Enhanced sensor monitoring on ASRock Z170 series.

Latest v4.64
Released on Jun-04-2015

- Enhanced sensor monitoring on ASUS RAMPAGE IV series.
- Added option to accept negative temperatures for some sensors (sub-zero cooling).
- Fixed DDR4 SPD readout on some Skylake client systems.
- Added reporting of Distance to Tj,max.
- Enhanced reporting of memory timings and other features for Skylake.
- Further enhanced support of Knights Landing.
- Enhanced ability to define custom thresholds for changing of color of any item in sensor list.
- Added some pre-defined thresholds for sensor items (will display in red if over threshold level).
- Added NVIDIA GeForce GTX 980 Ti.

Latest v4.62
Released on Apr-29-2015

- Enhanced sensor monitoring on ASUS SABERTOOTH X99.
- Added monitoring of some unknown EC voltages for ASUS X99/RAMPAGE V series.
- Enhanced sensor monitoring on Intel Rock Canyon NUCs.
- Enhanced sensor monitoring on EVGA E999.
- Enhanced sensor monitoring on GIGABYTE G1.Sniper M5.
- Fixed detection of ACPI sensor.
- Enhanced support of CPUs with more than 256 logical cores.
- Enhanced preliminary support of Knights Landing.
- Fixed a rare drop to 0 of BCLK and other related values in sensors.
- Added ability to define custom colors and font style of items in sensor window.
- Added ability to change sensor item color when an alert is triggered.

Latest v4.60
Released on Mar-17-2015

- Added support of Intersil ISL6388 digital PWM.

- Fixed sensor monitoring on some ASUS P8H67 series with IT8771.
- Improved BCLK measurement on Skylake.
- Enhanced sensor monitoring on ASRock Z97 OC Formula.
- Added option to disable GPU reordering.
- Fixed monitoring of Max CPU/Thread and Total CPU usage so that it reflects only the particular CPU package.
- Added preliminary support of Intersil ISL6367 and ISL6379 (for ASRock boards only yet).
- Enhanced sensor monitoring on ASUS Z10PE-D8 WS.
- Added ability to display multiple sensor lists.
- Added support of multi-row operations in sensors window.
- Added ability to rename sensor titles.
- Added component names (mainboard, system name) to sensor titles.
- Added support of AMD Nolan.
- Improved appearance on high-DPI scaled screens.
- Improved reporting of S.M.A.R.T. attributes per SSD controller type.
- Reduced memory module scan time on Sandy Bridge-E/EN/EP/EX and later server CPUs.
- Enhanced support of NVIDIA Tesla GPUs – clocks, memory parameters, usage, power, fan speed.
- Fixed a possible crash on some systems with more than ~400 sensors.
- Added NVIDIA GeForce GTX TITAN X.

Latest v4.50
Released on Jan-28-2015

- Added possibility to backup application- and user-specific settings.
- Added option to minimize sensors window instead of closing.
- Improved rendering of tray icons.
- Minor updates to UI functionality and hardware support.
- Added preliminary monitoring of Corsair Link devices (H80, H100, etc.). Must not be used along with other Corsair Link tools!
- Fixed rounding of some values in tray icons.
- Added reporting of GPU Memory vendor for NVIDIA GPUs (requires driver R346 or later).
- Added reporting of GPU Normalized Power for NVIDIA GPUs.
- Added reporting of GPU Video Engine clock for NVIDIA GPUs.
- Enhanced support of Corsair Link, added support of PSUs.
- Fixed a rare crash when running in Debug Mode.
- Added support of Aquastream XT, MPS and PowerAdjust.
- Changed order of NVIDIA and AMD GPUs in multi-GPU systems, so that the primary GPU device is properly listed as the first one.
- Added NVIDIA GeForce GTX 960 and GM206 support.
- Added support for monitoring of Corsair RM PSUs.

Latest v4.48
Released on Nov-26-2014

- Improved sensor indexing. For some addons (i.e. HWiNFOMonitor, Rainmeter) it will be required to download latest versions and reconfigure existing settings.
- Fixed changing of sensor items order via the layout tab.
- Added reading of sensor values from Aquaero (preliminary).
- Improved support of Skylake-E/EP/EX.
- Added a workaround for some crashes caused by Intel RST enterprise drivers.

- Added ability to toggle RTSS/OSD output via a user-defined hotkey.
- Improved Intel ME information.
- Enhanced information returned for ASPEED GPUs.
- Enhanced Broadwell-E/EN/EP/EX support.
- Added ability to show/hide all sensor entries of a given type (temperatures, fans, etc.)
- Added support of Giantec Semi GT34TS04 TSOD.

Latest v4.46
Released on Oct-14-2014

- Fixed monitoring of additional voltages on ASUS SABERTOOTH 990FX.
- Added reporting of per-core CPU ratios, bus clock, HT/QPI/KTI and EDRAM clocks in sensors.
- Enabling of PCH Thermal Device is disabled by default and can be enabled via a new option.
- Added support of Atmel AT30TSE004 Thermal Sensor On DIMM.
- Added an extended method of waking up disabled dGPUs (enable via settings).
- Added new NVIDIA Maxwell GPUs.
- Fixed monitoring of slower fans on Fintek LPCs.
- Improved support of NVIDIA GeForce GTX 970 and GTX 980.
- Fixed displaying of degree sign in sensors for Chinese, Japanese and Korean locales.
- Fixed reporting of fan #6 speed for Nuvoton NCT679x.
- Added Drag and Drop support in sensors window as a more convenient way to change order of items or hide (drop outside).
- Enhanced sensor monitoring on GIGABYTE X99 series.
- Added support of ITE IT8606E and IT8626E.

Latest v4.44
Released on Sep-04-2014

- Enhanced sensor monitoring on additional MSI 9-series mainboards.
- Fixed restoring of sensors window position on some systems with multiple monitors.
- Fixed reporting of invalid values in graphs, tray, LCD, OSD.
- Added support of Lewisburg PCH.
- Added preliminary support of NVIDIA GeForce GTX 870 and 880 (GM204).
- Sensor minimize button will minimize graphs too.
- Added ability to rename sensor units.
- Added ability to modify sensor values (constant multiply/add).
- Added support of On Semi ASP1106D.
- Fixed reporting of memory clock on Haswell-E/EN/EP/EX.
- Improved DDR4 support.
- Enhanced sensor monitoring on ASUS X99 series.
- Enhanced sensor monitoring on MSI X99 series.
- Patch for occasional invalid BCLK measurement.
- Enhanced sensor monitoring on ASUS RAMPAGE V EXTREME.
- Enhanced sensor monitoring on ASUS CROSSBLADE RANGER.
- Added AMD Radeon R9 285.
- Enhanced sensor monitoring on ASRock X99 series.

Latest v4.42
Released on Aug-04-2014

- Added preliminary support of PCI Express 4.0.
- Enhanced sensor monitoring on MSI 8-series.
- Added monitoring of FPS counter from RTSS.
- Enhanced preliminary support of Braswell.
- Enhanced sensor monitoring on ASUS J1900 series.
- Enhanced preliminary support of Skylake.
- Added reporting of Intel CPU EDRAM clock.
- Enhanced sensor monitoring on MSI J1900 series.
- Enhanced sensor monitoring on ASUS A78M-A.
- Improved sensor window GUI.
- Enhanced sensor monitoring on ASUS MAXIMUS VII FORMULA.
- Fixed reporting of Min sensor values in some cases when the value reaches 0.
- Added option to define number of consecutive samples to trigger an alarm.

Latest v4.40
Released on Jun-11-2014

- Enhanced sensor monitoring on several ASUS Z97 and H97 models.
- Enhanced sensor monitoring on GIGABYTE Z97 models.
- Fixed reporting of OS UEFI Boot.
- Fixed support of AMD Oland/Mars/Sun/Jet GPUs.
- Fixed reporting of DDR3 memory timings for some modules.
- Added support of IRF IR3580.
- Enhanced sensor monitoring on ASUS MAXIMUS VII series.
- Enhanced sensor monitoring on ASRock Z97 and H97 series.
- Enhanced sensor monitoring on ASRock Z87 and H97 ITX series.
- Added option to hide Welcome screen and Detection progress.

Latest v4.38
Released on May-05-2014

- Improved support of Haswell-E/EN/EP/EX.
- Fixed identification of Crystal Well-DT.
- Enhanced Broadwell and Skylake support.
- Improved DDR4 support.
- Enhanced sensor monitoring on MSI 9-Series mainboards.
- Added support of AMD Memory Profile (AMP).
- Added support of Nuvoton NCT6792D LPC/HW monitor.
- Added NVIDIA GeForce GTX TITAN Z.
- Fixed putting some AMD DGPUs back into off state.
- Improved identification of AMD Hudson/Bolton FCH models.

Latest v4.36
Released on Mar-18-2014

- Added caching of GPU I2C devices to speed-up the scan process.
- Added support of more NVIDIA GM107 and GM108 models.
- Added reporting in summary whether VT-x/AMD-V is enabled in BIOS.
- Fixed support of DDR4 SDRAM.
- Summary page redesign. Per-core clocks are now in a separate window, which allows more cores to be displayed.
- Added NVIDIA GeForce GTX 745.
- Added support of AMD Carrizo.
- Added patch for buggy OpenCL drivers causing crash during init.

- Added reporting whether system has booted in UEFI mode.
- Improved CPU sensor addressing on Sandy Bridge and later systems with multiple CPU sockets.

Latest v4.34
Released on Feb-18-2014

- Added ability to change text color of tray icons.
- Added ability to start sensor logging using a hot key.
- Added ability to snap sensor window to screen edges.
- Added ability to snap sensor graphs to screen edges or each other.
- Added NVIDIA GeForce GTX Titan Black.
- Added NVIDIA Maxwell: GeForce 840M, GeForce GTX 750/750 Ti.
- Reduced file/package size by 320 KB.
- Improved reporting of GPU bus when disabled by NVIDIA Optimus.
- Fixed restoring of NVIDIA Optimus disabled GPUs state after start.
- Fixed reporting of L1/L2 cache multipliers on some CPUs.
- Several minor improvements and fixes.
- Fixed a possible crash on some AMD GPUs while playing video.
- Added NVIDIA GeForce GTX 850M and 860M.
- Enhanced sensor monitoring on ASRock Z87, HM87 and FM2A88 series.

Latest v4.32
Released on Jan-22-2014

- Fixed reporting of drive warning on some SSDs.
- Added NVIDIA Tesla K40m, K40st, K40s.
- Enhanced sensor monitoring on MSI 8-series mainboards.
- Fixed Intel CPU sensor on Haswell-U/Y.
- Improved recognition of CHiL CHL8318/CHL8266 on GPU.
- Enhanced sensor monitoring on MSI NF750-G55.
- Fixed reporting of sensor values on AMD GPUs after ULPS/powerdown restart.
- Fixed enumeration of later AMD DGPUs disabled by PowerXpress.
- Fixed sensor monitoring on ASUS MAXIMUS VI.
- Added monitoring of TSOD on SNB/IVB/HSW/BDW-E/EN/EP/EX.
- Fixed font size selection for LG LCD.
- Fixed reporting of GPU clock/VID on Haswell GT1.5 SKUs.
- Added option to lock sensor order (enabled by default). If sensor order was changed in the past, this option needs to be disabled first.
- Added support of ITE IT8620E HW monitor.
- Enhanced sensor monitoring on GIGABYTE A88X series.

Latest v4.30
Released on Dec-11-2013

- Enhanced support of AMD Hawaii (Radeon R9 290 series).
- Added reporting of GPU Memory Utilization for AMD GCN2 family.
- Added option to disable Intel Management Engine support.
- Added NVIDIA GeForce GTX 780 Ti.
- Added monitoring of disk read/write/total activity and transfer rate.
- Improved reporting of GPU clock on AMD APUs.
- Fixed reporting of GPU clock for AMD GCN2 family.
- Fixed a rare occurring crash on later AMD GPUs.
- Fixed detection of NCP4206 on nVidia GPUs.

- Added monitoring of network adapter DL/UP rate and total transfer for Windows Vista and later.
- Enhanced support of Nuvoton NCT6106D.
- Enhanced sensor monitoring on ASUS X79-DELUXE and RAMPAGE IV BLACK EDITION.
- Fixed including of disabled sections in the report file.

Latest v4.26
Released on Oct-23-2013

- Added support of RTSS 5.3.2+ for OSD with up-to 4096 characters.
- Added reporting of drive warning status based on SMART.
- Added drive health status icon (OK/Warning/Failure) to summary window.
- Improved enumeration of USB-ATA drives.
- Enhanced sensor monitoring on ASUS A88X series.
- Added reporting of GPU clock and improved support of Bay Trail.
- Added nVidia Quadro K6000, GeForce GTX 760 Ti OEM.
- Enhanced reporting of SATA features and current transfer rate.
- Improved ICC support.
- Enhanced sensor monitoring on ASUS A55M series.
- Enhanced sensor monitoring on Intel DZ87 series.

Latest v4.24
Released on Sep-11-2013

- Added option to disable flushing of file buffers during start.
- Added several new Intel CPU models and SSPEC codes.
- Added reporting of SATA HIPM and DIPM.
- Fixed crash on some Windows 8.1 systems.
- Added support of ITE IT8790E.
- Enhanced sensor monitoring on Gigabyte Z87-OC and Z87X-UD5H.
- Rewritten drive detection method for more flexibility.
- Drive sensors order change on many systems, so a layout order reset and reconfiguration of plugins might be required.
- Added ability to detect current SATA transfer rate for certain controllers.
- Fixed showing of nonsense sensor values on some systems.
- Enhanced sensor monitoring on Foxconn H77 series.
- Improved Auto Start via TaskScheduler.
- Added support of Intel 9-Series PCH.

Latest v4.22
Released on Aug-06-2013

- Updated Auto Start option to use TaskScheduler on Windows Vista and later (avoids UAC prompt).
- Added AMD FirePro S9000 and S10000.
- Enhanced sensor monitoring on ASUS Z9PE.
- Enhanced sensor monitoring on Gigabyte H87, B85 and G1.Sniper B5 series.
- Enhanced reporting of CPU features in summary window.
- Added reporting of GPU clock on Intel Cedarview.
- Added reporting of new CPU features: AVX-512, ADX, SMAP, IPT, SHA.
- Improved tracking of values in sensor graphs.
- Added new nVidia GPU models: GeForce GT 710M,755M, Quadro K510M,K2100M,K4100M, GRID K100 and GRID K200.

- Added support of Intel Broadwell family.
- Added AMD Volcanic Islands/Crystal: Maui, Iceland/Topaz, Tonga/Amethyst.
- Added AMD Pirate Islands: Bermuda, Fiji, Treasure.
- Added AMD Carrizo, Amur, Bhavani.

Latest v4.20
Released on Jun-26-2013

- Enhanced sensor monitoring on ASUS Z87 series mainboards.
- Improved reporting of memory timings on Haswell.
- Disabled GPU I2C scan on DELL laptops with ATI FirePro M7820.
- Enhanced support of CHL8266 and CHL8318 on GPUs.
- Enhanced sensor monitoring on Gigabyte 990XA/990FXA mainboards.
- Enhanced reporting of GPU clock on AMD Trinity, Richland and Kabini.
- Enhanced sensor monitoring on Biostar A55/A75/A85 series mainboards.
- Enhanced sensor monitoring on ASRock Z87 series mainboards.
- Added nVidia GeForce GTX 775M.
- Enhanced sensor monitoring on ASUS H87, B85, Q87, Z87, P9D WS, SABERTOOTH Z87, GRYPHON Z87 and MAXIMUS VI series.
- Enhanced sensor monitoring on MSI Z87 series.
- Fixed support of Nuvoton NCT6791.
- Enhanced sensor monitoring on GIGABYTE Z87 series.
- Added AMD Mullins, Hawaii and Vesuvius.
- Sensor configuration redesign.
- Added ability to show/hide sensor window columns.
- Added ability to change position of sensor items.
- Added enumeration and SMART monitoring of USB-ATA drives.

Latest v4.18
Released on May-16-2013

- Fixed reporting of GPU Power/Current on certain CHL controllers.
- Added support of CHL8203, CHL8212 and CHL8213 on GPU.
- Added preliminary support ITE IT8732.
- Separated reporting of GPU codename.
- Improved Intel Haswell support.
- Improved AMD Kabini support.
- Added AMD Radeon HD 7990 (Malta).
- Added reporting of GPU Serial Number for later ATI/AMD GPUs.
- Enhanced sensor monitoring on Apple machines.
- Added AMD Radeon HD 7730.
- Added support of NCT6683D hardware monitor.
- Avoid polling of nVidia GPUs disabled by Optimus.
- Added monitoring of some ACPI values.
- Added monitoring of CPU Core/NB currents and powers on AMD Trinity, Richland and Kabini.
- Added nVidia GeForce GTX 770 and GeForce GTX 780.

Latest v4.16
Released on Apr-09-2013

- Added support of additional CHiL/IR VRs on GPU.
- Fixed enumeration of GPUs disabled by nVidia Optimus.
- Fixed freezing of Synaptics SMBus touchpads on Intel chipsets.

- Merged and rearranged nVidia Internal GPU sensor with NVAPI.
- Added AMD Radeon HD 7790.
- Added nVidia GeForce GTX 650 Ti Boost.
- Added monitoring of D3D Usage on AMD, nVidia and Intel GPUs (covers Direct3D only).
- Improved enumeration of RAID arrays, added RAID status reporting.
- Enhanced sensor monitoring on nVidia nForce 790i reference mainboards (Zotac, EVGA, XFX, etc).
- Enhanced support of AMD GCN2 family GPUs.
- Added monitoring support for On Semi NCP81022 on GPU.
- Added nVidia GF119 models: GeForce 705M.
- Added nVidia GK104 models: Quadro K2 USM, Tesla K2 USM, GRID K520, GeForce K2 USM, NVS K2 USM.
- Added nVidia GK106 models: GeForce GTX 760M, 765M, 770M.
- Added nVidia GK107 models: Tesla K1 USM, Quadro K1 USM, GeForce GT 740M, 745M, 750M, GeForce K340 USM, NVS K1 USM, GRID K340, NVS 1000.
- Added nVidia GK110 models: GeForce GTX Titan LE, Tesla K20, Tesla K20X.
- Added nVidia GK208 models: GeForce GT 730M, 735M, 740M.

Latest v4.14
Released on Mar-12-2013

- Added reporting of Max CPU/Thread Usage.
- Added monitoring of FPS via FRAPS (must be started before opening sensors window).
- Fixed reporting of CPU usage on systems with multiple CPU groups.
- Added nVidia GeForce GT 625 OEM, Tesla K20Xm, K20c, K20s, K20m and GeForce GTX Titan.
- Enhanced sensor monitoring on MSI MS-7699.
- Added GPU temperature monitoring for AMD Trinity, Kabini and Kaveri.
- Added GPU utilization monitoring for AMD Trinity.
- Fixed crash when closing program on certain UEFI-only systems.
- Added GPU I2C support via ADL.
- Improved GPU I2C scan in Debug Mode on nVidia GPUs.
- Added support of SMSC EMC21xx sensor on GPU.
- Added support of uPI uP1637 and CHL8318 on GPU.
- Improved GPU I2C scan on AMD GPUs.

Latest v4.12
Released on Feb-04-2013

- Added several Haswell processor brand numbers.
- Fixed crash on some GIGABYTE mainboards running Windows 8.
- Enhanced sensor monitoring on GIGABYTE GA-78LMT series.
- Enhanced support of Nuvoton NCT6791D HW monitor.
- Several minor enhancements and fixes.
- Enhanced sensor monitoring on ASUS MAXIMUS VI EXTREME.
- Enhanced reporting of Intel ME status and features.
- Improved reporting of GPU usage on AMD GPUs.
- Improved sensor graphs.
- Added monitoring of overall SMART health status.
- Added reporting and monitoring of SSD remaining life.
- Fixed measuring of current CPU clock on systems in xAPIC mode.
- Added preliminary support of DDR4 DRAM.

- Added reporting of average values in sensors window.

Latest v4.10
Released on Dec-19-2012

- Improved reading of SMBIOS DMI data on EFI BIOSes without CSM.
- Added possibility to specify number of decimal digits displayed per each sensor value.
- Added preliminary support of Valleyview, Avoton, Rangeley.
- Added nVidia GeForce GTX 675MX and GTX 680MX.
- Added several new Radeon 8000 series models.
- Added support of ITE IT8623E LPC & hardware monitor.
- Enhanced sensor monitoring on ASUS F2A85 series.
- Added monitoring of GPU D3D Dedicated and Dynamic memory on AMD, Intel and nVidia GPUs.
- Added ability to display tray icon color depending on alarm threshold.
- Added reporting of CPU TDP for AMD Trinity, Kaveri and Kabini.
- Enhanced sensor monitoring on MSI P6N SLI V2.
- Enhanced sensor monitoring on ASUS M5A99 series.
- Added monitoring of current PCIe link speed for GPUs.

Latest v4.08
Released on Nov-20-2012

- Improved sensor graphs, added resizing capability.
- Enhanced sensor monitoring on ECS P67 and Z77 series.
- Enhanced support of VT11xx sensor on GPU.
- Improved handling of user-disabled sensors.
- Improved CPU power measurement on AMD Bulldozer.
- Added nVidia Tesla K20c and K20m.
- Improved CPU clock measurement on Windows 8.
- Fixed a very long scan of some later secondary AMD GPUs.
- Added support of Fintek F71811/F71812 and F71877 LPC/hardware monitors.
- Enhanced sensor monitoring on ASUS F2A55.
- Added several new CPU and GPU models.

Latest v4.06
Released on Oct-08-2012

- Enhanced sensor monitoring on ASRock Z77, Z75, H77, B75, Q77, H71M and A75 series.
- Minor bugfixes and improvements.
- Driver management tool removed from package. Functionality moved into Configure section.
- History file removed from package. Available online in the News section.
- Help file replaced with on-line help (forum).
- Embedded all supplemental files (DAT, drivers) into the main EXE file.
- Reduced package content to 2 files only (EXE, INI).
- Added reporting of GPU VDDC for later AMD GPUs.
- Enhanced sensor monitoring on Gigabyte F2A85 series.
- Added preliminary support of Nuvoton NCT6791D sensor.
- Added AMD Sun, Neptune, Ibiza, Cozumel, Kauai, Hainan, Curacao, Aruba, Richland Devastator/Scrapper, Thebe, Kryptos, Samara, Pennar.

- Added reporting of SATA AHCI/RAID controller and per-port information under PCI host device.
- Fixed reporting of current memory clock on AMD Trinity.
- Enhanced reporting of current memory parameters for Haswell.
- Enhanced sensor monitoring on ASRock Z77 OC Formula.
- Added support of Intel Wellsburg.
- Added nVidia Quadro K2000, K2000D, K600, NVS 510, K5000, VGX K1, VGX K2.

Latest v4.04
Released on Sep-05-2012

- Enhanced sensor monitoring on GIGABYTE B75 series.
- Enhanced support of VIA VX11 chipset.
- Added nVidia GeForce GTX 660 Ti, GeForce GTX 650 and Tesla K10.
- Improved enumeration of (S)ATA drives.
- Enhanced sensor monitoring on ASUS P7H55-M LX.
- Reduced system load during sensor monitoring via certain SIO/LPC chips.
- Added preliminary support of AMD Kabini (Jaguar CPU cores).
- Added AMD FirePro V3900, V4900, V5900, W600, W5000, W7000, W8000, W9000.
- Enhanced GPU I2C scan on nVidia Kepler.
- Enhanced support of Ivy Bridge-EX.
- Added preliminary support of Haswell-EN/EP/EP 4S/EX.
- Improved recognition of Sandy Bridge/Ivy Bridge CPU package.
- Improved reporting of clocks on some AMD GPUs with switchable graphics.
- Enhanced sensor monitoring on ASUS P8C WS.
- Added support of On Semi ASP0800 on nVidia GPU.
- Added possibility to choose column for RivaTuner OSD server too.
- Added Summary-only mode.
- Fixed reporting of GPU memory clock and shader count on AMD Southern Islands and later families.

Latest v4.02
Released on Jul-31-2012

- Added support of IRF IR3564.
- Added preliminary support of AMD Mars.
- Added fan speed monitoring on Clevo W860, W870, W880, P150, P170, P180.
- Added preliminary support of AMD Steamroller family.
- Fixed BSOD with certain Intel RST drivers.
- Added support of IRF IR3563 Digital PWM.
- Enhanced sensor monitoring on GIGABYTE Z77X-UP series.
- Added nVidia Quadro K1000M, K2000M, K3000M, K4000M, K5000M.
- Added nVidia GeForce GTX 650M and GeForce GTX 680M.
- Enhanced sensor monitoring on ASUS MAXIMUS V EXTREME and MAXIMUS V FORMULA.

Latest v4.00
Released on Jun-20-2012

- Enhanced enumerating of SATA drives and respective SMART status reporting.
- Improved sensor monitoring across Standby/Resume phases.
- Enhanced sensor monitoring on ASUS SABERTOOTH 990FX.
- Fixed missing bottom menu in sensor window on some systems with lower screen resolution.

- Improved enumeration of USB ports and devices.
- USB device enumeration is now attached to PCI USB Host Controllers too.
- Fixed changing of values in sensor config.
- Improved sensor monitoring performance on systems with Sandy Bridge and later CPUs and added reporting of PCH temperature.
- Added reporting of driver information for major devices (PCI, USB, GPU, Audio, Network).
- Added support of SMSC LPC47M534 sensor.
- Updated SMBIOS support to v2.7.1.
- Updated reporting of shader count on AMD Southern Islands and London series GPUs.
- Enhanced sensor monitoring on ASUS P8H61-I.
- Improved reporting of parameters on several AMD GPUs.
- Added AMD Bonaire and Oland.

Latest v3.96
Released on May-16-2012

- Fixed GPU logo when switching between GPUs.
- Improved GK1xx fan speed reporting.
- Fixed reporting of GPU clocks for ATI R6xx family.
- Added AMD Radeon HD 7420G, 7520G, 7620G, 7640G, 7660G, 7480D, 7540D, 7560D, 7660D models.
- Added preliminary AMD Kaveri support.
- Enhanced sensor monitoring on BIOSTAR A75 and TZ77 series.
- Enhanced sensor monitoring on MSI X79 series.
- Added nVidia GeForce GTX 670 and GeForce GTX 690.
- Improved drive and SMART enumeration on systems with Intel Rapid Storage Technology drivers.
- Fixed reporting of CPU DTS temperatures on multiple CPU packages.
- Improved nVidia GPU voltage monitoring with nVidia R3xx drivers.
- Added fan speed monitoring on ASUS G74Sx and G75VW notebooks.
- Optimized performance and memory usage in Sensor-only mode.
- Improved handling of RTSS.
- Enhanced support of AMD Trinity.

Latest v3.95
Released on Apr-18-2012

- Enhanced support of GK104 (fixed clock status, added power monitoring).
- Enhanced sensor monitoring on EVGA X79 and Z77 series.
- Sensor logging: value units are now displayed in the header only.
- Enhanced sensor monitoring on ASUS P8B75, P8H77, P8Q77, P8Z77, MAXIMUS V, SABERTOOTH Z77 series.
- Enhanced sensor monitoring on ASRock X79 and Z77 series.
- Added new CPU and GPU models.
- Enhanced sensor monitoring on GIGABYTE H77 and Z77 series.
- Improved CPU clock measurement on Windows 8.
- Fixed reporting of XMP profile #2.
- Enhanced support of PMBus VRs, added new CHiL and IRF models.
- Enhanced sensor monitoring on MSI MS-7737 Big Bang-XPower II.
- Added support of Crystal Well.

Latest v3.94

Released on Mar-21-2012

- Enhanced sensor monitoring on MSI MS-7585 P55-GD85, MS-7582 and Z77 series.
- Added preliminary support of Coleto Creek PCH.
- Added reporting of OEM Memory Information (DIMM map) under SMBIOS/DMI if supported by platform.
- Enhanced sensor monitoring on ASUS P8H67-I.
- Split Intel DTS temperature reporting per CPU package, added actual Core Max value.
- Added recognition of nVidia Kepler: GeForce GT 640M, GT 650M, GTX 660M.
- Added patch for clock measuring under Windows 8.
- Added reporting of more Intel CPU features.
- Added support of nVidia GeForce GTX 680 (GK104).

Latest v3.93
Released on Feb-15-2012

- Enhanced support of Intel Haswell family.
- Fixed reporting of memory usage on nVidia GPUs in SLI.
- Added support of CHL8228 to report GPU VRM temperatures, voltages, currents and power (Radeon HD 7970, etc).
- Added preliminary Lynx Point support.
- Added several new nVidia GPU models.
- Enhanced reporting of Intel ME features.
- Added preliminary nVidia Kepler (GK107) support.
- Fixed Windows 8 support.
- Added support of Intel Integrated Clock Control (ICC): reporting of clock capabilities and monitoring of actual status.
- Enhanced sensor monitoring on ASUS P8Z77 series.

Latest v3.92
Released on Jan-18-2012

- Added recognition of Intel Knights Corner.
- Added support of SMSC SCH5327 sensor monitoring.
- General sensor monitoring improvement (performance, reliability).
- Added preserving of graph positions.
- Improved IPMI support.
- Added reporting of Firmware Information (BIOS, OROM, Reference Code) under SMBIOS/DMI if supported by BIOS.
- Enhanced support of AMD Southern Islands and London series (clock, config, sensors).
- Added button to reset min/max values in sensors.
- Added support of Nuvoton NCT6779D LPC/HW monitor.

Latest v3.91
Released on Dec-13-2011

- Added preliminary Haswell support.
- Added reporting of CPU VID in sensors.
- Enhanced sensor monitoring on Intel DX58OG and DX79 series.
- Enhanced sensor monitoring on ASUS P9X79, RAMPAGE IV and SABERTOOTH X79 series.
- Fixed restoring of tray icons in case explorer process is restarted.

- Enhanced reporting of memory usage in sensors.
- Improved sensor monitoring performance.
- Changed PCI bus topology view.
- Enhanced EC temperature and fan access on Alienware notebooks.
- Various minor fixes and enhancements.
- Added reporting of On-Demand Clock Modulation in sensors (Intel CPUs).
- Added possibility to disable particular SMBus address scan (for advanced users).
- Fixed possible fan speed fluctuations while monitoring of ATI/AMD GPU diode temperatures.
- Enhanced sensor monitoring on GIGABYTE X79 G1.Assassin2 and X79 series.

Latest v3.90
Released on Nov-08-2011

- Improved sensor monitoring on multi-threaded systems.
- Enhanced support of systems with multiple CPU groups.
- Enhanced support of Nehalem-EX.
- Added preliminary support of Ivy Bridge-EP/EX.
- Extended new clock measurement method to AMD 10h and 15h families.
- Enhanced NVAPI GPU fan speed monitoring.
- Minor bugfixes and improvements.
- Added support of XMP 1.3.
- Added AMD PITCAIRN XT/PRO, WIMBLEDON XT.
- Improved reporting of GPU Memory clock on later AMD GPUs (R700 and above).
- Raised sensor limits.
- Added reporting of system memory usage in sensors.

Latest v3.88
Released on Oct-11-2011

- Added support of AMD FT2 (Krishna) Processors.
- Improved XTU support.
- Added reporting of total CPU usage.
- Enhanced sensor monitoring on MSI MS-7676 (Z68MA-ED5).
- Added a new method for measuring CPU clock for Nehalem and later CPUs.
- Fixed a possible crash on Sandy Bridge-E/EN/EP.
- Fixed Sandy Bridge-E/EN/EP SPD read support.
- Enhanced sensor monitoring on Intel DZ68 series.
- Enhanced support of VIA Nano and later, added reporting of core temperatures.
- Added reporting of current CPU core clock in sensors.
- Added nVidia GeForce 610M and GeForce GT 630M.
- Added possibility to include multiple items per one RivaTuner OSD line.
- Enhanced sensor monitoring on ASRock 990FX.

Latest v3.86
Released on Sep-06-2011

- Added nVidia GeForce GTX 460 v2, GeForce GT 520MX and GeForce GTX 580M.
- Enhanced sensor monitoring on ASRock 880G Pro3.
- Enhanced sensor monitoring on GIGABYTE G1.Sniper 2.
- Added support of new Panther Point SKUs.
- Enhanced sensor monitoring on ASUS M5A97 series.
- Added possibility to change the sensor scan interval.

- Added EC-ACPI Synchonization (HWiNFO32/64 Embedded Controller requests are synchronized with ACPI).
- Improved identification of Intel 6-series chipset B2/B3 stepping in case the Compatibility Revision ID feature is enabled.
- Added nVidia GeForce GTX 570M.
- Improved branding of AMD Family 15h (Bulldozer).
- Fixed GPU Shader Count report for Blackcomb.
- Added AMD CAPE VERDE and GREAT WALL.
- Enhanced sensor monitoring on ASUS F1A55.

Latest v3.84
Released on Aug-09-2011

- Fixed W83667HG/NCT677x fan speeds bug from previous version.
- Several minor updates and bug fixes.

Latest v3.83
Released on Aug-03-2011

- Fixed fan speed reporting on some NCT6776 boards.
- Added support of Nuvoton NCT7511Y, NCT7802Y and NCT7904D hardware monitors.
- Enhanced sensor monitoring on GIGABYTE A75 series.
- Enhanced sensor monitoring on ASUS F1A75 series.
- Added reporting of CPU Microcode Update Revision for AMD Family 10h and later models.
- Added support of SMSC LPC47B397, SCH5307 and SCH5317 hardware monitoring.
- Enhanced sensor monitoring on ASUS Maximus IV Extreme-Z.
- Added reporting of Chassis Intrusion for Winbond/Nuvoton, ITE and Fintek sensors.
- Added AMD HEATHROW XT/PRO, CHELSEA XT/PRO.
- Enhanced sensor monitoring on ASUS Maximus IV GENE-Z.
- Enhanced sensor monitoring on ASUS M4A78LT.
- Enhanced sensor monitoring on ASUS M5A87 and M5A88 series.
- Enhanced sensor monitoring on ECS H67H2.
- Improved Toshiba EC sensor monitoring.
- Added support of Shared Memory for publishing sensor information.

Latest vHWiNFO32 3.82
Released on Jun-21-2011

- Added reporting of CPU usage per core under sensor data.
- Fixed AMD Llano current clock ratio report.
- Added support of VIA VX900 SMBus Host.
- Added support of RivaTuner OSD Server. This allows displaying of HWiNFO32 Sensor values in DirectX applications/games. Requires having the RivaTuner/MSI Afterburner/EVGA Precision Statistics Sever running.
- Fixed NVAPI GPU I2C support with ForceWare drivers version 275 (and above).
- Fixed VIA multi-core CPU support.
- Added nVidia Tesla M2090/X2090 and Quadro 7000.
- Enhanced sensor monitoring on ASRock Z68 series.
- Enhanced sensor monitoring on ASUS Crosshair V Formula and SABERTOOTH 990FX.
- Enhanced sensor monitoring on GIGABYTE 890FXA and 990FXA series.

- Added Nuvoton NCT7717U/NCT7718W and W83773S(G)/W83775G sensor support.

Latest vHWiNFO64 3.82
Released on Jun-21-2011

- Fixed Gadget for 64-bit.
- Enhanced sensor monitoring on ASRock Z68 series.
- Enhanced sensor monitoring on ASUS Crosshair V Formula and SABERTOOTH 990FX.
- Enhanced sensor monitoring on GIGABYTE 890FXA and 990FXA series.
- Added Nuvoton NCT7717U/NCT7718W and W83773S(G)/W83775G sensor support.
- Fixed NVAPI x64 support.

Latest v3.81
Released on Jun-07-2011

- First HWiNFO64 Beta release.

Latest v3.80
Released on May-24-2011

- Enhanced sensor monitoring on ASUS RAMPAGE III BLACK EDITION.
- Fixed voltage monitoring on Gigabyte P4x/G4x series.
- Improved support of AMD Bulldozer.
- Added support of National Semiconductor LM93, LM94/LM96194 and LM96080 hardware monitors.
- Added support of National Semiconductor LM95213, LM95214, LM95221, LM95231, LM95233, LM95234, LM95235, LM95241, LM95245, LM96163 hardware monitors.
- Added support of uPI uP6208 VR on GPU.
- Several minor updates and bug fixes.
- Added hyperlinks to major components for direct product info, driver download and search.
- Enhanced sensor monitoring on ASUS SABERTOOTH 990FX.
- Enhanced sensor monitoring on GIGABYTE Z68X series.
- Enhanced sensor monitoring on ASUS P8Z68 and P8B WS series.
- Updated reporting of BIOS date of EFI-capable machines.
- Enhanced sensor monitoring on ASUS P8H67-M LE.
- Enhanced P.I.ROM reporting.
- Added nVidia GeForce GTX 560 (GF110, GF114), GeForce GT 545 (GF116).
- Enhanced sensor monitoring on ECS A890GXM-A2.
- Added monitoring of Intel 55×0/7500 IOH temperature.
- Improved recognition of AMD SB8xx/9xx/Hudson chipsets.
- Added nVidia GeForce 410M and GeForce GTX 560M.

Latest v3.73
Released on Apr-18-2011

- Added possibility to change font size for LG LCD output.
- Enhanced sensor monitoring on ASUS Sabertooth P67.
- Added AMD Llano family branding.
- Enhanced support of Panther Point chipset.
- Added support of ITE IT8771 LPC/hardware monitor.

- Enhanced sensor monitoring on ASUS E35M1-M and E35M1-I.
- Updated reporting of current memory clock on Arrandale/Clarkdale and Sandy Bridge.
- Added AMD RADEON HD 6790.
- Added support of AMD future GPUs: TAHITI, NEW ZEALAND, THAMES, LOMBOK.
- Layout/font change.
- Added reporting of GPU Clocks in Sensors.
- Fixed sensor logging CSV format.
- Fixed Apple SMC sensor values.
- Added monitoring support of uPI UP6218 and UP6266 VRs on GPU.
- Added monitoring support of CHiL CHL8214 on GPU.
- Fixed reporting of current GPU PCIe config on some machines.
- Added monitoring support of Volterra VT1556 on GPU.
- Added nVidia GeForce GT 520 (GF119).

Latest v3.71
Released on Mar-22-2011

- Enhanced sensor monitoring on MSI MS-7585 and MS-7623.
- Added nVidia GeForce GTX 590 and GeForce GTX 550 Ti.
- Added more temperature readings on Winbond/Nuvoton W83667HG and NCT6771F sensors.
- Enhanced sensor monitoring on GIGABYTE G1.Assassin, G1.Guerrilla, G1.Sniper.
- Enhanced support of AMD APU (GPU clock, diode monitoring).
- Enhanced sensor monitoring on some ASRock mainboards.
- Enhanced support of Winbond W83785R/TR/TS and added W83786NR/NG support.
- Added reporting of PCI/HDA Hardware IDs in Windows format (useful for driver search).
- Added support of TI TMP400, TMP401, TMP411, TMP421, TMP422, TMP423, TMP431, TMP432, TMP435, TMP441, TMP442 sensors.
- Fixed reporting of temperatures on ASUS P8P67/P8H67/P8Q67 series.
- Enhanced sensor monitoring on ASUS P8H61 series.
- Fixed recognition of Intel HM67 B3 stepping.
- Enhanced sensor monitoring on Sapphire Pure Black X58.

Latest v3.70
Released on Feb-14-2011

- Enhanced support of AMD Family 12h and 14h (APU).
- Added new SSD SMART attributes.
- Enhanced sensor monitoring on ASUS P8Q67 series.
- Added reporting of Number of OC Bins and OC Extra Voltage for Sandy Bridge.
- Added possibility to hide sensor values.
- Reduced DPC latency during DELL EC sensor monitoring.
- Improved battery status reporting in sensors on some machines.
- Added AMD RADEON HD 6870M and RADEON HD 6970M branding.
- Changed sensor log CSV format for better post-processing.
- Enhanced sensor monitoring on Alienware M17x-R3.
- Enhanced COMPAL EC sensor monitoring on some machines.
- Added support of ITE IT8772F LPC/hardware monitor.
- Enhanced sensor monitoring on Foxconn H67S.
- Enhanced sensor monitoring on MSI GX720.
- Improved support of ATI Northern Islands I2C.
- Enhanced sensor monitoring on MSI MS-7672, MS-7673, MS-7678, MS-7681.

- Added "Sensor-only" option to run in sensor monitoring mode only.
- Enhanced sensor monitoring on Biostar TP67 and TH67 series.
- Fixed GPU memory size reporting on GF108.
- Added reporting of Intel 6-series PCH revision (B2, B3).
- Improved HDA codec detection, fixed potential audio issues during scan.
- Improved startup speed.
- Enhanced sensor monitoring on GIGABYTE P65A series.
- Enhanced sensor monitoring on Intel DP67, DH67, DH61, DQ67, DB65 series.
- Updated reporting of memory module max speed in case XMP or EPP is supported.

Latest v3.67
Released on Jan-18-2011

- Fixed measuring of CPU clock on certain AMD CPUs under Windows 7.
- Improved displaying of CPU and GPU logo.
- Improved measurement precision of CPU Power consumption on Ibex Peak and Sandy Bridge platforms.
- Fixed recognition of Sandy Bridge K-series when used on platforms other than P67.
- Added Smart Battery monitoring into sensors.
- Enhanced sensor monitoring on ASRock P67 and H67 series.
- Added reporting of BIOS EFI capability.
- Enhanced sensor monitoring on ASUS P8P67, P8H67 and SABERTOOTH P67 series.
- Enhanced sensor monitoring on ASUS Maximus IV Extreme.
- Enhanced sensor monitoring on GIGABYTE P67 and H67 series.
- Enhanced Ivy Bridge support.
- Added nVidia GeForce GTX 560 Ti.
- Enhanced sensor monitoring on ASUS G73SW.
- Fixed possible GPU/Display issues on HP 8730w (caused by GPU I2C).
- Fixed reporting of GPU clock on some nVidia G9x-based GPUs.

Latest v3.65
Released on Dec-21-2010

- Enhanced support of ATI PM2 sensors.
- Added support of CHiL CH8266 PWM (for monitoring of GPU voltage, current, power).
- Added universal support of CSMI SAS (improved drive detection).
- Enhanced sensor monitoring on ASUS Rampage III GENE/Extreme.
- Enhanced support of AMD Family 15h.
- Added support of Intel XTU v2.1.
- Added nVidia GeForce GTX 570.
- Enhanced sensor monitoring on Intel 6-series desktop boards.
- Added nVidia GeForce GT 540M.
- Enhanced support of Ivy Bridge-DT/MB.
- Added preliminary support of Ivy Bridge-EP/EX (Ivytown).
- Enhanced sensor monitoring on MSI GX620.
- Improved recognition of Arrandale ECC.
- Added support of SMSC SCH3112/4/6 LPC HW monitor.
- Fixed Benchmark comparison label issue.
- Added Intel Core 2nd generation logos.

Latest v3.62
Released on Nov-22-2010

- Added monitoring of fan speed on certain Toshiba notebooks (with TVALZ driver).
- Various minor fixes and updates.
- Fixed Multi-GPU support in case of different brand/model GPUs.
- Added nVidia GeForce GT 440, GeForce GT 555M, GeForce GTX 580, GF110/D13U.
- Enhanced support of Cedarview.
- Added patch for BSOD on multi-GPU machines in case ULPS powers down a GPU.
- Fixed rare hang during CPU scan caused by HPET timers.
- Enhanced sensor monitoring on Biostar TPower I45, MSI Big Bang-XPower (MS-7666).
- Enhanced support of some PMBus capable sensors.
- Added reporting of maximum supported PCIe and USB version on system.

Latest v3.61
Released on Oct-19-2010

- Minor fixes and updates (Win7 type, MX16xx Ext1 temp, GPU enum, SNB GFX clock).
- Added possibility to disable sensor data logging for report file (avoids raising of memory usage during monitoring).
- Added support of ITE IT8728F, IT8781F, IT8782F, IT8783F LPC/Hardware Monitor.
- Improved enumeration of multiple GPUs via NVAPI.
- Added monitoring of HP Envy 17 and Pavilion dv6 / dv7 EC.
- Fixed CPU clock measurement on certain Windows 7 systems.
- Enhanced sensor monitoring on ASUS Rampage III GENE.
- Added support of Alerts for Sensor values when reaching customizable thresholds.
- Enhanced sensor monitoring on MSI MS-7592.
- Added reporting of BIOS Message for Award/Phoenix BIOS machines.
- Added possibility to report SMART data and monitor temperature for drives in Intel RAID Array.
- Added monitoring of HP Envy 15 EC.
- Improved sensor monitoring for Tyan S7025.
- Added preliminary Ivy Bridge support.
- Changed nVidia GPU I2C method to NVAPI by default (can be changed back to low-level via settings).

Latest v3.60
Released on Sep-13-2010

- Added automatic checking of updates.
- Improved support of Nuvoton NCT6776F LPC/HW monitor.
- Added nVidia GF104 models: GeForce GTS 455, GTX 470M.
- Added nVidia GF106 models: GeForce GT 440, GTS 450, GTX 460M, GT 445M, GT 435M, Quadro 2000.
- Added nVidia GF108 models: GeForce GT 420, GT 430, GT 415M, GT 420M, GT 425M, GT 435M, Quadro 600.
- Fixed a potential hang with black screen when opening sensors on certain ATI GPUs.
- Enhanced sensor monitoring on some ASRock mainboards.
- Added possibility to directly log sensor data into separate CSV file.
- Added support of SMSC EMC2301, EMC2302, EMC2303, EMC2305 and EMC2113 sensors.
- Added monitoring of CPU and GPU fan speeds for ASUS G73 notebooks.
- Fixed latency issue for EC sensors.

- Added additional temperature monitoring of Clevo models: M570RU, M570TU, M860TU, M980NU, W860CU, W870CU, W880CU.
- Enhanced Sandy Bridge support.

Latest v3.58
Released on Aug-24-2010

- Added monitoring of Alienware M11x EC sensors.
- Added monitoring of Alienware M15x and M17x EC sensors.
- Added support of Fintek F71808A, F71869A and F71889A LPC + HW monitor.
- Added monitoring of HP 8740W EC.
- Updated sensor monitoring for ASUS SABERTOOTH X58.
- Added preliminary support of AMD/ATI Northern Islands and Fusion series.
- Fixed fan speed reporting for certain mainboards with IT8720 and IT8721.
- Improved fan speed reading on Winbond W83667HG, Nuvoton NCT6771F.
- Fixed GPU sensor reading in conjuction with Summary on certain PCH systems.
- Added preserving of Sensors window position and size.

Latest v3.56
Released on Jul-27-2010

- Added monitoring of various loads for nVidia GPUs.
- Several minor updates and fixes.
- Added nVidia GeForce GTX 480M.
- Added nVidia GeForce GTX 460 (GF104).
- Enhanced support of nVidia GF100 family.
- Added storing of timestamps in logfile for sensor data.
- Added preliminary support for Sony VAIO EC sensor monitoring.
- Enhanced support of VIA Nano 3xxx series.
- Added monitoring of GPU core voltage for certain nVidia GPUs.
- Improved I2C support for later nVidia GPUs.
- Added GPU I2C support (external sensors) for nVidia GF100.
- Enhanced sensor support of ASUS P7F7-E WS Supercomputer.

Latest v3.55
Released on Jun-29-2010

- Improved graphical displaying of CPU frequency per core (new bar, color).
- Added reporting of GPU Fan duty cycle for ATI R7xx and Evergreen family.
- Added possibility to display sensor readings on 3 columns/line on LG G15 LCD.
- Added support of LG G19 Color QVGA LCD.
- Enhanced support of GPU monitoring for ATI M8x families.
- Enhanced sensor support of ASUS M4A87TD, M4A88 and M4N98 series.
- Improved S.M.A.R.T monitoring, added reporting of Airflow Temperature.
- Improved reporting of CPU features (dynamic + colors).
- Improved System Summary and per-core clock measuring.
- Reduced DPC latency during frequent scanning/monitoring.
- Added DELL SMI monitoring support on x64 systems.
- Filtered out invalid PCH temperature readings.
- Improved sensor monitoring for ASRock series: G41MH, H55M-GE, HM55-MXM, 770DE3L, 785G Pro, 790GX Pro, 880GM-LE, 880GMH-LE, ION2-HT, P55 Extreme3.

Latest v3.51

Released on May-25-2010

- Fixed possible crash after having graphs opened for longer time.
- Updated reporting of IDA capability.
- Added reporting of VIA P4M800 memory timings.
- Reduced ATI I2C sensor scan time.
- Added support of Atmel DIMM Temperature sensor.
- Improved sensor monitoring for MSI NF980-G65 (MS-7612).
- Improved reporting of GPU memory clock for AMD Evergreen family.
- Added nVidia GeForce GTX 465.
- Improved sensor monitoring for ASRock 890GX Extreme3 and 890FX Deluxe3.
- Improved sensor monitoring for ASUS NCCH-DL and NCT-D(A).
- Improved monitoring of CPU/PCH (Ibex Peak) power consumption.
- Improved monitoring of nVidia GPU diode temperature.
- Added monitoring of nVidia GPU Fan duty cycle.

Latest v3.50
Released on Apr-27-2010

- Added support of Fintek F81865 LPC/Sensor.
- Added Patsburg PCH support.
- Added support of PCI Express 3.0 (8.0 GT/s) capabilities.
- Added monitoring of sensor values in graph.
- Fixed recognition of Intel Xeon W35xx CPUs.
- Improved sensor monitoring for ASUS Crosshair IV Formula.
- Added reporting of GPU clocks and memory size for GF100.
- Improved sensor monitoring for several ASRock boards.
- Added nVidia D12U, T20, Tesla C2050/C2070/M2050/M2070/S2050/S2070, Quadro Q11U-3, MCP83 and some other models.
- Fixed reading of AMD K10 temperature sensor.
- Improved reporting of CPU dynamic clock for AMD Family 10h and later.
- Improved support of Sandy Bridge family.
- Improved sensor monitoring for Giga-Byte EP43/EP45/X38/X48 series.
- Added GPU Diode temperature reporting for nVidia G92 and G94.

Latest v3.45
Released on Mar-30-2010

- Enhanced support of Sandy Bridge family.
- Added IT87xx fan divisors setup if not configured properly by default.
- Added nVidia GeForce GTX 470 and GeForce GTX 480 (GF100 / Fermi).
- Fixed reading from AMB.
- Improved USB scan.
- Added possibility to automatically minimalize either the Main or Sensors Window. Can be used to display only Sensor data.
- Added possibility to report sensor values in Vista Sidebar.
- Added possibility to disable particular sensor scanning.
- Added possibility to autorun HWiNFO32 during Windows start.
- Improved reporting of CPU Power for IbexPeak-based platforms.
- Several other minor updates and bugfixes.

Latest v3.43
Released on Mar-03-2010

- Fixed IT8712 fan tachometer reading.
- Improved reporting of Single/Dual-channel Memory detection for K10.
- Improved SCSI device scan.
- Improved benchmark disk selection.
- Improved calculation of BCLK for Nehalem CPUs.
- Updated reporting of Tcas for Clarkdale/Arrandale.
- Improved measuring of CPU clock using HPET if available.
- Added QST 2.0 monitoring support.
- Added support of secondary LPC.
- Improved sensor monitoring for EVGA W555.
- Added VIA VN1000 chipset support.
- Added option to select driver persistance.
- Updated help file.
- Improved sensor monitoring for ASUS M2N-SLI Deluxe.
- Improved sensor monitoring for MSI DKA790GX Platinum (MS-7550).
- Improved support of AMD 890GX and SB800/Hudson.
- Enhanced support of VIA VT8261.
- Improved sensor monitoring for ASRock series: P43DE2, P43iCafe, 770 Extreme3, 770iCafe, M3A790GXH/USB3, 880GMH/USB3, 890GMH/USB3, 890GX Extreme3.
- Improved sensor monitoring for ASUS series: M4A89GTD-PRO, M4A89GTD-PRO/USB3.

Latest v3.41
Released on Feb-09-2010

- Fixed a serious bug causing invalid detection of CPU Core count on AMD Family 10h CPUs and misidentification of model.

Latest v3.40
Released on Feb-09-2010

- Added reporting of TRIM command capability (for SSD).
- Improved sensor monitoring for Giga-Byte series: H55, 790FXTA.
- Improved support of nVidia GT21x series.
- Fixed support of several nVidia GPU sensors.
- Added monitoring of nVidia GPU temperature for G92, G94, GT200, GT21x.
- Added reporting of ATA drive media rotation rate in RPM (if drive supports reporting).
- Fixed detection of first DIMM on certain nVidia chipsets.
- Improved sensor monitoring for MSI series: Big Bang Trinergy (MS-7580), P55-GD80 (MS-7581), P55-GD65 (MS-7583), P55-CD53 (MS-7586), H57M-ED65 (MS-7587), P55M-GD41/45 (MS-7588).
- Improved general handling of sensor monitoring, added possibility to clear stored preferences.
- Enhanced reporting of PCIe properties for GPU.
- Added preliminary Sandy Bridge support.
- Improved sensor monitoring for Biostar series: TPower I55 and X58.
- Improved sensor monitoring for MSI series: MS-7032, MS-7046, MS-7100, MS-7185, MS-7204, MS-7236, MS-7250, MS-7260, MS-7267, MS-7327, MS-7350, MS-7369, MS-7373, MS-7376, MS-7388, MS-7501, MS-7577, MS-9130.
- Improved sensor monitoring for Giga-Byte series: 945P, 945G, 946, G31MX, 965P, 965Q, N650SLI, M55S, M57SLI, M56S, M61P, M61SME, M61VME, M68SM.
- Improved sensor monitoring for ECS series: 945P, P55H, X58, RS480, RS482, RS485, A740GM, A785GM, A790GXM.
- Improved sensor monitoring for DFI series: CFX3200, RDX200, NF590, NF4, 790FX.

- Improved sensor monitoring for Biostar series: N750, TA780, TP35.
- Improved sensor monitoring for Foxconn series: 945, 946, 965, 975, P31, G31, G33, P35, X38, G41, Q45, G43, P43, P55, C55, MARS, BlackOps.
- Improved sensor monitoring for Foxconn series: CK804, VX800, RS690, RS740, RS780, RX780, RD790, RS880, A79A, N570, C51G, MCP55, MCP61, MCP65, MCP68, MCP72, MCP78, MCP73, MCP7A.
- Improved sensor monitoring for Biostar series: NF520, NF560, TA770, TF520, TF560, TF570, TF7025, TF7050, TF7100, TF7150.
- Improved sensor monitoring for several Supermicro and ASUS workstation boards using W83793 and W83795 sensors.
- Improved sensor monitoring for Intel series: DX58, D5400XS (SkullTrail).
- Added identification of nVidia MCP89.
- Added support of Fintek F71872F and F75334DG sensors.
- Improved sensor monitoring for several EPoX motherboards.
- Improved sensor monitoring for EVGA series: E173, E178, E179, E180.
- Improved sensor monitoring for Foxconn series: BLOODRAGE, Flaming Blade, Destroyer.
- Added preliminary support of AMD Hudson FCH.
- Improved sensor monitoring for Supermicro series: C2SBX, X8SII, X8SIL.
- Improved sensor monitoring for Albatron series: PX975X.
- Improved sensor monitoring for JW series: 780G, 790G.
- Improved sensor monitoring for Shuttle series: P35, X38.
- Added new AMD Family 10h CPU models.
- Fixed reporting of temperatures in Farhenheit in tray.

Latest v3.35
Released on Jan-12-2010

- Fixed reporting of unused values from ATI PM2 sensor.
- Improved sensor monitoring for Supermicro series: C7SIM.
- Fixed reporting of Clarkdale/Arrandale IGP clock.
- Added ATI Mobility RADEON HD 5470, 5650/5750.
- Improved sensor monitoring for Giga-Byte series: MA74, MA78.
- Improved sensor monitoring for ASUS series: M4A77, M4A78, M4A79, M4N78, M4N82, M3A79.
- Improved sensor monitoring for ASUS series: P5B, P5GC, P5N, P5V, P5RD.
- Added support of VIA CX800/VX800/VX820 SMBus host.
- Improved ATI R6xx and R7xx I2C access and Volterra monitoring.
- Improved sensor monitoring for Intel series: D945GCZ, D945GTP, D955XBK, D955XCS.
- Added support of ADT7473 sensor on ATI GPUs.
- Improved sensor monitoring for ASRock series: 945, 965, P35, G31, X38, G41, P41, P43, G45, P45, X48, X58, P55, H55.
- Improved sensor monitoring for ASRock series: M3A, A740, A760, A770, A780, A785, A790, A880, K10, NF6, NF7G, N7A, N61, N68, N73, N7A, P5B, A230, AD410, AD510, AMCP7A.
- Added support of Volterra sensors on nVidia GPUs.
- Added support of Fintek F71858 sensor.
- Improved sensor monitoring for Giga-Byte series: 73PVM, 73UM, M720, M750.
- Improved sensor monitoring for DFI series: LP UT ICFX3200, LP/UT/DK/JR P35, X38, P45, X38, P55, X58.
- Improved sensor monitoring for MSI series: MS-7349/7353/7530, MS-7512/7513/7514/7515/7516/7519, MS-7374/7392/7349, MS-7510.
- Fixed Poulsbo SMBus access.

- Improved sensor monitoring for Intel series: D975XBX, DP45.
- Improved sensor monitoring for ASRock series: M3A785GMC, M3N78MC, M3N78D, A330ION.
- Improved sensor monitoring for Giga-Byte series: P31, P35, G31, G33, X38, P43, P45, X48, 6OXE, M59SLI.

Latest v3.32
Released on Dec-16-2009

- Fixed reporting of some AMD Family 10h CPU models.
- Updated several sensor values. Improved monitoring on several motherboards.
- Changed the way to rename sensor labels (right-click).
- Improved sensor monitoring for ASUS series: P5L, P5W, P5E, P5K, P5P43, P5AD2, P5Q, P7P55D, P5N32, M4N68T, M4A79.
- Improved sensor monitoring for ASUS series: Blitz Formula/Extreme, Striker Extreme, Striker II Extreme/Formula/NSE.
- Improved sensor monitoring for ASUS series: Maximus Formula/Extreme, Rampage Formula/Extreme, Maximus II Formula/Gene, Rampage II, Maximus III.
- Improved sensor monitoring for ASUS series: A8N, M2N, M2A, M3A, M3A78, M2N32, M3N78.
- Improved sensor monitoring for EVGA series: P55.
- Improved sensor monitoring for Abit series: AT7, KD7, KR7, KV7, KX7, SA7, SD7.
- Improved sensor monitoring for Giga-Byte series: P35, G33, X38, P45, P43, X48, P55, EX58, MA785.
- Improved sensor monitoring for Supermicro series: X7DB3, X7DB8, X7DBE.
- Improved sensor monitoring for ASUS series: Commando, Crosshair, Crosshair II Formula, Crosshair III Formula.
- Fixed a possible crash on systems running Hyper-V.
- Added preliminary support of AMD Family 12h.
- Improved sensor monitoring for ASUS series: P6T, M3A78-T, M2A74, P7P55, P7P55D, P7H55, P7H57, Sabertooth 55i.
- Added Cougar Point support.
- Improved Ibex Peak PCH thermal/power monitoring.
- Fixed ASUS ROG sensor readings.
- Added branding of several new AMD CPU models.
- Several other minor updates and bugfixes.

Latest v3.30
Released on Nov-24-2009

- Fixed reporting of Hyper-Transport version.
- Added support of Fintek F71869 LPC and HW monitor/sensor.
- Improved sensor monitoring on Giga-Byte EX58-UD3/UD4/DS4 and GA-MA770/MA790.
- Fixed ITE IT871x/IT872x fan speed monitoring.
- Fixed possible hang on some Giga-Byte motherboards with DES when opening Sensors.
- Added Intel Pentium SU4100 and Core 2 Duo SU7300.
- Improved sensor monitoring on Giga-Byte EX58-EXTREME, UD4P, UD5(P).
- Enhanced Lincroft support.
- Added ATI Evergreen family I2C support (monitoring).
- Fixed Poulsbo SMBus access.
- Added preliminary Topcliff support.
- Added preliminary support of AMD Bulldozer.

- Improved sensor monitoring on Giga-Byte P55 boards.
- Added preliminary support of ITE IT8721F LPC and HW monitor.
- Several other minor updates and bugfixes.

Latest v3.25
Released on Oct-28-2009

- Enhanced support of ATI R8xx (Evergreen) family (clock, properties).
- Added support of Fintek F71808E sensor.
- Fixed some issues while accessing certain SMBus devices on certain motherboards.
- Improved reporting of ATI R7xx family clocks.
- Improved sensor support of Intel DP55 boards.
- Added reporting of additional Lynnfield/Clarksfield capabilities.
- Added ATI FirePro M7750.
- Added reporting of Intel Extreme Tuning (XTU) capable BIOS settings.
- Enhanced sensor support of ASUS Maximus III Formula / Gene.
- Added reporting of DMI bus capabilities for CPUs with Internal QPI and External DMI (*field, *dale).
- Fixed rare problems with Intel CPU detection under specific conditions.
- Added nVidia GeForce GTS 250M, 260M and GTX 285M.
- Fixed handling of non-linear CPU core APIC IDs.
- Improved detection of memory modules on Supermicro X8DTN, H8DI3/H8DII/H8DIL, H8DM8-2/H8DME-2.

Latest v3.20
Released on Sep-23-2009

- Fixed recognition of Penryn Quad Core.
- Fixed support of DIMM Thermal Sensor.
- Added support of systems with >32 CPUs and CPU Groups in Windows 7.
- Updated branding of AMD Family 10h and 11h.
- Added new Intel CPU SSPEC codes and models.
- Added preliminary Lincroft recognition.
- Enahanced support of Analog ASP0800 / ASUS EPU2 sensor.
- Enhanced ASUS Rampage II Extreme / Gene sensor support.
- Enhanced Monitor EDID information.
- Added ATI FirePro M7740, RG220, Mobility RADEON 4100, Mobility RADEON HD 4830 and 4860, RADEON E4600.
- Enhanced support of Giga-Byte DES monitoring.
- Added new nVidia GT215 models: GeForce GT 335M, GTS 350M, GTS 360M.
- Added new nVidia GT216 models: GeForce GT 330M.
- Added new nVidia GT218 models: GeForce 310, 305M, 310M.
- Added new AMD K10 S1g3/g4, G34r1 and ASB2 models.
- Added full ATI R8xx (Evergreen) family GPUs: RADEON HD 5870 and 5850 (RV870/CYPRESS), RADEON HD 5870 X2 (R800/HEMLOCK), RADEON HD 5770 and 5750 (RV840/JUNIPER), RADEON HD 5670 and 5650 (RV830/REDWOOD), RADEON HD 5550 and 5350 (RV810/CEDAR), LEXINGTON, BROADWAY, MADISON, PARK.
- Several other minor updates and bugfixes.

Latest v3.10
Released on Jul-21-2009

- Updated reporting of Tcas and Trtp for Nehalem IMC.

- Added EVGA X58 SLI motherboard specific sensor support.
- Improved recognition of some LPCs.
- Added reporting of max Turbo Operating Point for non-XE Nehalem CPUs.
- Added nVidia GeForce G 105M and GeForce GT 220M.
- Fixed reporting of current ratio and BCLK for Nehalem in Turbo Mode.
- Fixed reporting of current Uncore and QPI clock on overclocked Nehalem.
- Added nVidia N10E-GLM, N10E-GLM3, N10E-GS, N10P-NS, N10P-GLM, N10M-GLM, GeForce GTS 150M, Quadro NVS 170M (GT218).
- Improved clock and sensor support of ATI R7xx family.
- Added recognition of Intel LE80578 processor.
- Added support of IBM ThinkPad Embedded Controller for monitoring.
- Added option to automatically show sensor status and minimalize application after startup.
- Enhanced monitoring support for certain DELL machines.
- Enhanced support of ATI RS880 chipset and GPU (RADEON HD 4200).
- Added reporting of GMCH temperatures for Intel 945xM, 965xM and Mobile 4-series chipsets (if BIOS enabled).
- Added support of some Compal Embedded Controllers for monitoring.
- Several other minor updates and bugfixes.

Latest v3.00
Released on Jun-23-2009

- Added support of monitoring of Apple computers.
- Fixed measuring of CPU clock for Cores1-3 on overclocked AMD K10 CPUs.
- Added nVidia N10P-LP (GT216) and GeForce G210M (GT218).
- Improved reporting of AMD K10/K11 platform and codenames, added new models.
- Improved Windows 7 support. No workaround needed anymore.
- Improved detection of Tj,max for Penryn CPUs.
- Fixed support of Intel XMP.
- Completely rewritten System Summary page. Integrated with ClockMon to display all important info on one page.
- Improved recognition of nVidia ION.
- Fixed GPU information display on System Summary.
- Improved reporting of Computer Brand Name and Motherboard Model.
- Added ATI R750 and M97 GL.
- Fixed reporting of SLFM reference clock for some CPUs.
- Added new Intel CPU logos.
- Added new G92 models: GeForce GT 230, GeForce GTS 240.
- Added new G94 models: GeForce GT 230, GeForce GT 220.
- Added new G96 models: GeForce G210.
- Added new GT215 models: D10P1-30, D10P-40, D10P2-50, N10E-GE, N10E-ES, N10P-GLM4.
- Added new GT216 models: GeForce GT 220, D10M2-10, D10M2-20, GeForce GT 230M, GeForce GT 240M, N11P-ES, GT216-INT.
- Added new GT218 models: GeForce G210, Q10E-1L, GT218-ES, GT218-INT-S, GT218-INT-B.
- Added support of ADT7473 and ADT7476 sensors.
- Enhanced support of Westmere-EP/WS.
- Added reporting of supported DDR3 Module Nominal Voltage (VDD).
- Enhanced support of DDR3 DIMM temperature sensors (JC42.4).
- Added recognition of Vortex86DX and Vortex86MX CPUs.
- Several other minor updates and bugfixes.

Latest v2.40
Released on May-13-2009

- Added ATI RADEON HD 4770 (RV740).
- Added several new Intel SSPECs/QDFs and new AMD K10 models.
- Improved reporting of Operating System including Microsoft Windows 7 and Server 2008 R2.
- Improved/finalized Lynnfield and Havendale support.
- Fixed counting of total PCI Express slots in system.
- Fixed ADT7473 sensor on nVidia GPU Voltage reading.
- Added workaround for Windows 7 crash.
- Added preliminary Westmere-EP, Westmere-WS, Gulftown and Westmere-EX (Eagleton) support.
- Fixed reporting of current CPU clock under Windows 7.
- Added complete Intel 5-series/34xx chipsets (Ibex Peak) SKU distinguish.
- Added nVidia GeForce G 103M (G98/D8M) and GeForce G102M (C79G).
- Several other minor updates and bugfixes.

Latest v2.39
Released on Apr-07-2009

- Fixed recognition of VIA Nano.
- Added preliminary Ironlake GMA support.
- Improved multiple SMBus Host support.
- Improved nVidia MCP79/7A support.
- Updated branding of AMD NPT and K10 families. Added several new models.
- Added ATI RADEON HD 4890 (RV790).
- Added support of Fintek F71862F, F71882F and F71889F sensors.
- Added nVidia GeForce 9600 GT Green Edition and GeForce GTX 275.
- Added support of Intel S5500BC, S5520SC, S5520UR, MSI MS-9161, ASUS KFN4-D16, P5M2, P5MT, INVENTEC IR2500 SMBus SPD Muxes.
- Several other minor updates and bugfixes.

Latest v2.38
Released on Mar-04-2009

- Fixed reporting of temperatures for ADT7473 sensor on nVidia GPUs.
- Added preserving of sensor settings.
- Added preliminary Jasper Forest support.
- Fixed Poulsbo memory timings.
- Enhanced memory timings for some chipsets.
- Added preliminary Nuvoton W83795G/ADG HW monitor support.
- Updated reporting of PCI Express slots in system.
- Changed reporting of QDF only for ES and SSPEC for Productions parts when possible.
- Improved identification of Yorkfield and Wolfdale-DP reduced TDP CPUs and Penryn SFF platforms.
- Several other minor updates and bugfixes.

Latest v2.37
Released on Jan-28-2009

- Added nVidia GeForce GTX 295.
- Fixed corruption of sensor icons in tray after longer time.

- Added nVidia GeForce GTX 285, Quadro FX 3800, GeForce 8200M, 9100, 9200, GF100, HICx16 + Graphics, GT212, GT214, GT215, GT216, GT218.
- Added possibility to rename sensor labels.
- Added support of Logitech G15 series LCD monitor – possibility to display sensor values.
- Added recognition of Intel GS40 chipset.
- Enhanced sensor configuration.
- Enhanced support of Havendale/Auburndale and Arrandale.
- Added Supermicro X8DTN SMBus SPD mux support for complete memory module enumeration.
- Fixed reporting of unlimited Nehalem QPI and Memory Controller clock.
- Added ATI FireStream 9250, FireStream 9270, Mobility RADEON HD 4850 X2, RV740, M93, M97.
- Several other minor updates and bugfixes.

Latest v2.36
Released on Dec-16-2008

- Added new AMD Family 10h CPU models.
- Enhanced nVidia MCP79/7A support.
- Added possibility to use direct low-level PCI access (required for nVidia MCP79/7A support).
- Added S3 Chrome 500 Series.
- Added several new nVidia and ATI GPUs.
- Enhanced support of VIA CX700, CX800/VX800/VX820 chipsets.
- Added reporting of maximum supported memory clock for Nehalem family.
- Added possibility to copy selected data from screen to clipboard.
- Updated Tj,max per SKU according to latest Intel specifications.
- Updated support of Intel Havendale/Auburndale and Pineview.
- Added Intel B43 chipset.
- Several other minor updates and bugfixes.

Latest v2.35
Released on Nov-13-2008

- Updated branding of AMD Family 10h.
- Added ATI RADEON HD 4350, RADEON HD 4850 X2, RS780E, RS780L.
- Enhanced support of ATI RV710.
- Added possibility to put sensor readings into system tray (via Right-click on sensor value).
- Added possibility to disable reading of specified sensor values (via Right-click on sensor value).
- Added possibility to adjust Tj,max value per processor.
- Added preliminary Intel Ibex Peak PCH thermal monitoring support.
- Added possibility to hide application into tray.
- Improved SMART reading for some chipsets.
- Improved Nehalem-WS detection.
- Added possibility to disable TPM checking in case of problems.
- Several other minor updates.

Latest v2.30
Released on Oct-08-2008

- Added support of new nVidia SMBus Host Controllers.

- Updated branding of AMD Family 10h.
- Enhanced nVidia MCP chipset monitoring: added MCP77, MCP78, MCP79, MCP7A, MCP7B support.
- Added nVidia SPP chipset monitoring for C55, C72 and C73.
- Added support of ASUS EPU and EPU2 power consumption monitoring.
- Added preliminary monitoring of DIMM temperature sensor.
- Added ATI FirePRO V3700, V5700, V3750, V8750, V7770, V7760, V8700 Duo, Mobility RADEON HD 4650, 4670, 4850, 4870.
- Major Intel CPU detection rehaul. More precise, added possibility to report QDF/S-Spec, TDP and Tcase_max.
- Enhanced ATI RV730 and M96 support.
- Added possibility to create a short report with only the most important items.
- Added IPMI sensor monitoring support (requires driver or KCS interface).
- Added nVidia GeForce GTS 150, GeForce GT 130, 120, GeForce 9550 GT, 9600 GT, 9600 S, 9700 S, 9800 S, 9850 X, Quadro FX 1800, Quadro FX 380, 580, Quadro NVS 295, Tesla C1060, Quadroplex 2200 D2 and 2200 S4.
- Several other minor updates.

Latest v2.25
Released on Sep-03-2008

- Fixed a possible crash on some FastTrak RAID controllers.
- Improved nVidia MCP SMBus host access (faster sensor scan and startup).
- Updated Yorkfield branding.
- Rewritten Sensor monitoring screen to display all sensors at once and monitor Min and Max values too.
- Enhanced AMD Family 11h (Griffin/Puma) support/branding.
- Fixed current tCL report for Eaglelake.
- Added SMSC EMC1043, EMC1046/7, EMC1053, EMC1063, EMC1402/3/4, EMC1422/3/4/8, EMC2101/2/3/4/5/6 sensors, improved support of other EMC* sensors.
- Added Maxim MX6689/6697/6699/6602 sensors support.
- Added Fintek F75393/5 sensors support.
- Added reporting and warning if running under some Virtual Machine environments.
- Added Winbond/Nuvoton W83792(A)(D/G) sensors support.
- Added preliminary Nehalem branding.
- Added nVidia GeForce 9800 GTX+.
- Updated Tj,max values for Penryn and Nehalem family.
- Added preliminary Lynnfield, Clarksfield, Havendale, Auburndale and Ibex Peak support.
- Added support of Volterra VT1103, VT1105, VT1165 GPU monitors.
- Improved multi-sensor monitoring.
- Enhanced ATI RV770/R700 GPU temperature monitoring.
- Added nVidia Quadro FX 5800 and Quadro FX 4800.
- Added nVidia G8x, G9x, GT200 internal GPU temperature monitoring.
- Added AMD SB750 and SB800.
- Several other minor updates.

Latest v2.20
Released on Jul-22-2008

- HWiNFO32 IS NOW FREEWARE !
- Added preliminary AMD Family 11h (Griffin/Puma) support.
- Added new ATI RV730, RV770, R700, M96 and M98 models.

- Added several new graphics card models.
- Added reporting of TDP and TDC for AMD K10 family processors.
- Added recognition of Intel P43 and G41 chipsets.
- Updated reporting of unlocked and frequency unlimited CPUs and moved to applicable operating point.
- Updated support of AMD Black Edition CPUs.
- Addded more nVidia GT200 models.
- Added ATI R700, RV770 and G98 clock, shaders, memory reporting and temp/fan/utilization monitoring.
- Added nVidia GeForce 9800 GT, GeForce 9800M GT, GeForce 9400 GT, GeForce 9500 GS, Quadro NVS 420, Quadro NVS 450, Quadro FX 370 LP, GeForce 9200 (MCP79/7A), GeForce 9300 (MCP79/7A), GeForce 9400M (MCP79), GeForce 8200M G, GeForce 9100M G, GeForce 9400M G, nForce 760i SLI, Quadro FX 470.
- Full and validated Nehalem support.
- Digitally signed executable files (full Vista/Server2008 64-bit support).

Latest v2.10
Released on Jun-11-2008

- Updated FB-DIMM enumeration.
- Fixed ClockMon handling of HT-capable CPUs, added multiple CPU package selection.
- Enhanced support of Abit MicroGuru2005 sensor.
- Improved enumeration of CPU topology for multithreaded multiprocessor systems.
- Updated Nehalem support.
- Several minor bugfixes and stability improvements.
- Added reporting of IA64-specific CPU features on Itanium.
- Added monitoring of FAN Speed and GPU Utilization for ATI R6xx family.
- Added ATI Fire PRO Professional Graphics ASIC, RV770, AMD M780V and 790GX chipsets.
- Added preliminary Tolapai branding and SKUing.
- Improved reporting of Render Clock Frequency for some Intel GMA graphics.
- Added branding of VIA Nano (Isaiah).
- Fixed VID calculation for Merom, Wolfdale-family, Diamondville-DT.
- Added S3 Graphics Chrome 440 GTX.
- Fixed reporting of CPU Microcode Update when running under x86-64 environment.
- Added ATI Mobility RADEON HD 3670 and Mobility FireGL V5700.
- Added several new monitors.

Latest v2.00
Released on May-07-2008

- Enhanced support of AMD Geode-LX.
- Added nVidia GeForce 8800 GT, 8800 GS, 9400 GT, 9500 GT, 9500 GS.
- Added nVidia GeForce 8200M, 9200M GS, 9300M G, 9300M GS, 9500M G, 9600M GS, 9600M GT, 9650M GT, 9700M GT, 9700M GTS, 9800M GT, 9800M GTS, 9800M GTX.
- Added nVidia Quadro NVS 150M, Quadro FX 770M, 2700, 2700M, 3700M.
- Added reporting of Intel Dynamic FSB Switching (SLFM) operating point parameters.
- Added monitoring of CPU clock status per core, possible operating points (OPs): SLFM, LFM, HFM, IDA.
- Added reporting of max and current OPs for QPI and Hypertransport buses.
- Added reporting of max and current OPs for Nehalem and AMD K10 Integrated Memory Controllers.

- Added monitoring of current GPU clocks.
- Enhanced support of nVidia MCP79/7A chipset.
- Fixed calculation of AMD K10 current CPU clock when running with CnQ.
- Improved calculation of current Operating Point when power management modes are engaged (IDA, EIST, etc).
- Added nVidia GT200-300.
- Added basic Intel Management Engine (AMT, ASF, QST) status reporting.
- Added Intel QST monitoring support (HECI driver required).
- Improved sensor monitoring performance.
- Added nVidia GeForce 9600 GS, 9600 GSO.
- Added new safe method for detecting physical drive parameters (works under Vista too).
- Added HTML and MHTML logfile outputs.
- Added reporting of TDP and TDC for Nehalem family.
- Added reporting of Graphics Clock for some mobile Intel GMA graphics.
- Added ATI FireStream 9170.
- Improved Intel Silverthorne and Diamondville support.
- Added preliminary Nehalem-EX (Beckton) support.

Latest v1.80
Released on Mar-26-2008

- Added several new nVidia G96 and G98 models, GeForce 9800 GX2.
- Added support of ADT7490 sensor.
- Added S3 Chrome 400 Series.
- Enhanced support of nVidia MCP73 (nForce 6x0i) and C73 (nForce 790i).
- Added support of Enhanced Performance Profile 2 (for DDR3).
- Added ATI Mobility Radeon HD 3430, 3650, Radeon HD 3300, 3430 and M86.
- Added Intel Atom branding for Silverthorne and Diamondville CPUs.
- Updated Intel XMP support to v1.1.
- Added recognition of Intel Mobile Diamondville.
- Improved memory module timing information.
- Added monitoring of CPU power consumption and current for Giga-Byte boards supporting DES.
- Added ATI FireMV 2260 and 2450.
- Improved identification of LGA771-based Yorkfield (QX9775).
- Added ATI Mobility RADEON HD 3850 X2, 3870, 3870 X2.
- Enhanced identification of Cantiga SKUs.

Latest v1.78
Released on Feb-13-2008

- Fixed AMD K10 family branding.
- Added AMD K10 internal CPU diode monitoring.
- Improved Intel ICH10 support.
- Improved support of ADT7475 sensor.
- Added nVidia 8800 GS, GeForce 9600 GT, GeForce 8800M GTS, GeForce 8800M GTX, Quadro FX 3700, Quadro FX 3600M.
- Added nVidia Tesla C870 GPU computing processor.
- Added ATI Mobility RADEON HD 2600 XT Gemini, Mobility RADEON HD 3400, M88, FireGL V8650, FireGL V8600, FireGL V7600.
- Added ATI RADEON HD 3450, 3470 (RV620), 3650, 3650 AGP, 3670 (RV635), 3850 AGP (RV670), 3870 X2 (R680).
- Added ATI RADEON HD 2600 LE and RADEON E2400.

- Added branding of Wolfdale Xeon and Yorkfield Xeon.
- Added reporting of FB-DIMM AMB memory timings and monitoring of module temperature.
- Added Matrox Millennium P690.
- Added storing of sensor status into logfiles when run from command-line.
- Added preliminary support of VIA CNA Processor (Isaiah).
- Improved support of several SiS chipsets.
- Fixed VID calculation for Penryn family.
- Improved SATA multi-controller support.
- Added nVidia MCP77/78 support; nForce 730a, 750a SLI, 780a SLI, GeForce 8200, GeForce 9200.

Latest v1.77
Released on Dec-05-2007

- Added ATI RS780(M) and RD890 chipsets.
- Added nVidia MCP73 chipsets: nForce 7150-630i, nForce 7100-630i, nForce 7050-620i, nForce 7050-610i.
- Improved recognition of Trusted Platform Module chips (TPM).
- Added preliminary Eaglelake and ICH10 support.
- Added ATI RV620, RV635 and R680.
- Added preliminary recognition of Intel X48 chipset.
- Added nVidia Quadro FX 570M.
- Enhanced reporting of CPU opearing point (Min, Max, MaxIDA, Current) frequencies and voltages.
- Added ATI RADEON HD 2900 GT, HD 3850, HD 3870, FireGL V3600 and V5600.
- Added recognition of nVidia nForce 780i SLI chipset.
- Added VIA CX800 Chipset.
- Added Intel ASF, AMT and vPro DMI information.
- Added nVidia GeForce 8800 GTS.

Latest v1.76
Released on Sep-20-2007

- Added nVidia MCP73 chipset.
- Added reading of nVidia MCP61 and later chipset thermometer.
- Added VIA C7-D.
- Added ATI RADEON HD 2600 XT AGP and PRO AGP.
- Improved reading of K8 CPU thermal sensor.
- Added nVidia GeForce 8400 GS.
- Added support of SiS 671 chipset.
- Improved clock report when running with C1E enabled.
- Added ATI Mobility RADEON HD 2400 (M72) and 2600 (M76).
- Improved recognition of nVIdia nForce 520 (MCP65S) and nForce 560 (MCP65GT) chipsets.
- Added support of DDR3 Intel Extreme Memory Profile (XMP).
- Added recognition of Intel P31.
- Updated preliminary branding of Wolfdale-DP and Harpertown family.
- Updated preliminary support of Nehalem family (CPU, IMC, QPI, IOH).
- Fixed support of EPP.
- Improved support of some ITE and Winbond HW monitoring chips.
- Added nVidia GeForce 8600M GTS, Quadro NVS 310M, Quadro NVS 320M, GeForce 8400 GS, Quadro NVS 290, GeForce 8600 GS, Quadro FX 570, Quadro FX 1700.

- Enhanced support of I/O operations on Itanium (IA64) systems.
- Added preliminary Wolfdale and Yorkfield branding.

Latest v1.75
Released on Jul-12-2007

- Added ATI RV610-DT (CE), M72, M74, M76M, M76XT, RV630 XT, RV630 PRO.
- Added distinguish between PM965, GM965 and GL960 chipsets.
- Added Matrox MGA-G200e (ServerEngines).
- Added report of designed CPU Thermal Design Power (TDP) for some CPUs.
- Added ATI RADEON HD 2350, 2400 PRO, 2400 XT, 2600 PRO, 2600 XT.
- Added reporting of CPU Hyper-Transport and CSI version and basic capabilities.
- Added support of SATA drives running on VIA VT8237A and VT8251 in legacy mode.
- Added AMD BH-G2 and DH-G2 steppings.
- Added support of Intel 82945GME chipset.
- Added ATI Mobility RADEON HD 2300.
- Added preliminary Intel Poulsbo memory timing support.
- Improved platform recognition for Conroe-L/Merom-L and Penryn families.
- Added Intel Core 2 Solo.
- Added preliminary support of Intel Silverthorne and Tolapai.
- Added support of ATI R6xx family (clocking, I2C, thermal diode).

Latest v1.74
Released on May-09-2007

- Added recognition and support of Intel 5100 (San Clemente) chipset.
- Enhanced support of Penryn and Wolfdale/Dunnington family, Added report of SSE4.1 and SSE4.2 extensions.
- Added CPU branding for Tigerton SKUs.
- Added ability to run directly from removable/remote paths.
- Added identification of Intel Processor A100/A110 (Stealey).
- Improved clock report for nVidia G7x and G8x family. Added Geometry, Shader and ROP unit clock.
- Updated support of multiple graphics cards.
- Added nVidia GeForce 7550 LE, GeForce Go 7350.
- Added nVidia G80 models: GeForce 8800 GTS, 8800 GTX, 8800 Ultra, Quadro FX 5600, FX 4600.
- Added nVidia G84 models: GeForce 8600M GT, 8800M GS, Quadro FX 1600M.
- Added nVidia G86 models: GeForce 8600M GS, 8400M GT, 8400M GS, 8400M G, Quadro NVS 140M, 130M, 135M, Quadro FX 360M.
- Added nVidia C67 models: GeForce 7000M, 7150M, 7190M.
- Added nVidia G78 and G98.
- Added recognition of nVidia nForce 610M, 630M, 650M chipsets.
- Added ATI RADEON HD 2900 XT.
- Bugfix in ACPI enumeration.
- Added support of VIA CX700/VX700 SMBus Host.

Latest v1.73
Released on Mar-19-2007

- Added Intel 4965AGN WiFi.
- Added preliminary support of AMD Barcelona (10h/K8L) family.
- Added nVIDIA NB8P-GS (G84), NB8P-SE (G86), NB8M-SE (G86), G86M.

- Added monitoring of VIA C7 internal CPU thermal sensor.
- Added preliminary Intel Cantiga chipset support.
- Added recognition of ATI R600, RV610, RV630, FireMV 2250, M71 and RV550 video adapters.
- Added support of ATI RC610, RS690, RS700, SC710, RD790, RX790, RD780 chipsets.
- Enhanced support of SiS 649 and 662 chipsets.
- Updated recognition of Bearlake SKUs (Q33, Q35, G33, P35, X38).
- Updated max. and current CPU clock report for Itanium 2 (Montecito).
- Added support of DDR3 SPD.
- Updated current memory timing for Bearlake.
- Added nVidia GeForce 8600 GTS, GeForce 8600 GT, GeForce 8500 GT, GeForce 8400 GS, GeForce 8300 GS, nForce 630a – GeForce 7050 SE / GeForce 7050 / GeForce 7025 and MCP73.
- Fixed support of Blackford and Clarksboro SPD reading.
- Added GPU I2C support for nVidia G80 family.
- Added support of ADT7473 sensor on GPU.
- Added VIA VT8237A SMBus support.
- Enhanced support of IT8716F, IT8718F and IT8726F HW monitors.
- Added support of Fintek F75383/4/5, F75373S, F75375S, F75387 HW monitors.

Latest v1.72
Released on Jan-22-2007

- Added Andigilog aSC7611 and aSC7621 PECI HW monitor support.
- Added nVidia GeForce Go 7950 GTX and 6600 GT.
- Added recognition of Intel 945GC chipset.
- Enhanced support of nVidia C55 and G80.
- Improved identification of Intel Tigerton.
- Enhanced support of VIA P4M890 and P4M900.
- Enhanced DTS support for all cores.
- Added branding of new Conroe and Merom SKUs.
- Added ATI RADEON X1950 GT.
- Enhanced monitor EDID info.
- Added support of Intel X38 chipset.
- Added ICH9DH and ICH9DO.
- Added preliminary support of Penryn family.
- Added reporting of Enhanced Multi Threaded Thermal Management and Dynamic Acceleration Technology status.
- Some minor bugfixes and improvements.

Latest v1.71
Released on Nov-07-2006

- Added ATI M67 and M68.
- Fixed report of total memory size for >4GB systems w/o SPD.
- Added SMBIOS DMI support for IA-64.
- Updated recognition of some Xeon MP CPUs.
- Fixed CPU counting on HTT-disabled multiprocessor systems.
- Added report of CPU code name for most of later CPUs.
- Added preliminary branding of Kentsfield, Clovertown and Conroe-L.
- Added random read disk benchmark.
- Updated PCI bus enumeration for IA-64 systems with MCH on bus255.
- Added support of Winbond W83793 sensor.

- Updated direct EIST support.
- Added support of MX6638, MX6639/40 and MX6615/16 HW monitors.
- Enhanced PCI Express information according to PCI Express Specification 2.0 draft.
- Added recognition of AMD Athlon 64 and Athlon 64 X2 for socket S1g1.
- Added recognition of Intel Timna, Tulloch, Poulsbo, Bearlake, Clarksboro and Seaburg MCHs.
- Added detection of Trusted Platform Module (TPM) chips (currently only Infineon supported).
- Added recognition of nVIDIA GeForce 8800 GTX and GTS.
- Added preliminary support of Intel Crestline, Bearlake, Clarksboro and Seaburg.
- Added recognition of nVidia nForce 680i SLI.
- Enhanced report of some Intel MCH and ICH capabilities.
- Added ATI RADEON X1650 (RV535), Mobility RADEON X1900 (M68) and Mobility RADEON X2300 (M54).
- Added Conroe-2M/Merom-2M/Allendale L2-stepping.

Latest v1.70
Released on Sep-12-2006

- Added ES check and updated VID for Conroe family.
- Updated support of some W836xx sensors.
- Added ATI RV560.
- Added AMD Athlon64 X2 and Turion64 X2 BH-G0 revision.
- Added nVidia GeForce Go 7600 GT.
- Fixed recognition of AMD RevF Opteron SE/HE/EE.
- Added reporting of prefetcher status (HW, DCU, IP, Adjacent Cache Line) for Conroe and P4 family.
- Added nVidia GeForce4 MX AGP8X MAC, GeForce FX 5200 MAC and GeForce Go 7200.
- Added Smart Battery information.
- Updated GPU / Memory clock and type report for nVidia NV4x and G7x series.
- Added SMSC SCH5027 and Winbond W83627DHG sensors.
- Added IA-64 (Itanium) driver and support.
- Added support of 3ware 8xxx and 9xxx series RAID controller attached devices.
- Added nVidia GeForce Go 7700 and GeForce Go 7900 SE.
- Added ATI RADEON X1950XT/XTX and FireStream 2U.
- Added nVidia GeForce 7100 GS, GeForce 7950 GT and GeForce 7650 GS.
- Added nVidia nForce 6100-400, -405, -420 and -430 chipsets.
- Added recognition of nVidia nForce 570 SLI and 590 SLI Intel Edition.
- Added VIA PM896, PT900 and P4M900 chipsets.
- Added recognition and support of Intel ICH9.
- Added branding of Conroe-based Intel Xeon 3000 series CPUs.
- Added ATI Mobility RADEON X1700 (M66-P and M66-XT).
- Added preliminary AMD K8L (Family 10h) support.
- Minor GUI update of benchmark comparison.

Latest v1.62
Released on Jun-08-2006

- Added recognition and SMBus support of ATI SB600.
- Added K8 DRAM row size support.
- Added nVidia GeForce 7800 SLI, 7900 GX2, 7300 GT, 7600 GS (BR02), Quadro FX 5500 and Quadro FX 4500 X2.
- Fixed report of model numbers for some AMD CPUs.

- Improved AMD K8 DRAM frequency report for non-standard / HTT-overclocked machines.
- Added support of Corsair DDR2 Enhanced Performance Profiles.
- Improved identification of nVidia 570 SLI and 590 SLI.
- Improved USB device recognition using ID lookup.
- Added nVidia GeForce 7300 SE, 7500 LE and 7600 LE.
- Added possibility to include sensor status data into logfiles.
- Enhanced DMI information according to SMBIOS Spec 2.5.
- Added support of SPD reading on Intel 5000x and E8500/8501 chipsets.
- Added ATI Mobility RADEON X1350, X1450 and RV570.
- Added memory timing report for Intel E8500/8501 chipsets.
- Fixed branding of Cedar Mill-based Celeron D and some other CPUs.
- Changed Summary screen.
- Added branding of Intel Xeon 71×0 series (Tulsa MP).
- Added nVidia GeForce 7950 GX2.
- Added recognition of nVidia nForce 570/590 SLI, 570, 550, nForce Pro 3050 and 3600 chipsets.
- Added nVidia MCP61, MCP65 and C60.
- Enhanced support of Broadwater MCH and ICH8.
- Enhanced support of Intel 3100 chipset.
- Updated calculation of current CPU clock for Yonah/Conroe families to avoid C1E mismatches.
- Added Cedar Mill D0, Tulsa B0, Yonah D0 and Merom/Conroe B1 steppings.
- Several minor updates and bugfixes.

Latest v1.61
Released on May-02-2006

- Added recognition of AGEIA PhysX accelerator card.
- Added synchronisation with other sysinfo/monitoring tools in order to avoid collisions.
- Fixed interpreting of PnP node 32-bit memory resources.
- Enhanced support of VIA C7 and added recognition of C7-M and Eden processors.
- Added recognition of Intel 3000/3010 (Mukilteo-2/2P) chipsets.
- Added preliminary recognition of Intel Crestline chipset.
- Fixed MCHBAR location for i96x chipsets.
- Minor GUI changes.
- Added branding of Yonah-based Celeron-M.
- Updated support of K8 RevF family.
- Added nVidia GeForce 7900 GS and Quadro FX 560.
- Updated clock report for Cedar Mill/Presler family.
- Added ATI RADEON X1900 GT and X1800 GTO.
- Updated identification of later Intel P965/G965/Q96x revisions.
- Added recognition of Intel 945GMS and 940GML chpisets.
- Improved SMBus support for VIA chipsets.
- Fixed W83xxxx sensor recognition.

Latest v1.60
Released on Mar-21-2006

- Added SiS350 Mirage Graphics3.
- CPU benchmark is now multithreaded and runs on all processors simultaneously.
- Added recognition of nVidia GeForce Go 6150 and Quadro NVS 110M.
- Added support of ULi, ATI and nVidia HDA codecs.
- Added support of SiI RAID drives.

- Added ATI FireGL V3300, V3400, V5300, V7200, V7300, V7350, MOBILITY FireGL V5200 and RV505.
- Added preliminary support of AMD K8 NPT Family (Socket AM2, Socket F, Socket S1).
- Added nVidia G71 based GPUs: GeForce 7900 GTX, GT, Go 7900 GS, Go 7900 GTX, Quadro FX 1500M, 2500M and G73: GeForce 7600 GT.
- Added reading of AMD NPT CPU Thermal Sensor.
- Added support of Promise FastTrak ATA RAID drives.
- Added recognition of Intel 3100 (Whitmore Lake) chipset.
- Improved identification of Transmeta Crusoe and Efficeon CPUs.
- Added ATI CrossFire Xpress 3200 (RD580) chipset.
- Added preliminary branding of Merom/Conroe/Woodcrest.
- Added recognition of nForce 590 SLI chipset.
- Added nVIDIA GeForce 7600 GS.
- Added ATI MOBILITY FireGL V7100 and V7200 (M58GL).
- Added preliminary recognition of Dual-Core Intel Xeon LV (Sossaman) processor.
- Added nVidia Quadro FX 1500 and 3500 (G71).

Latest v1.59
Released on Jan-18-2006

- Added recognition of SiS 55x Integrated CPU.
- Added nVidia GeForce 6800 GS (NV40-based) and GeForce 6800 XT (NV48-based).
- Added S3 GammaChromeS18, XM18, Chrome 23D, XM23D, S25A, XM25, S27C, XM27C and XM27A.
- Added reporting of Intel Processor numbers for Prescott, Smithfield, Paxville MP, Cedar Mill, Presler, Dempsey, Banias, Dothan and Yonah.
- Fixed report of max. frequency for Dothan 400 MHz FSB.
- Updated AMD K8 family internal PCI register details.
- Fixed GPU clock report for ATI R5xx family.
- Fixed current CPU multiplier for Yonah family.
- Added support of ATI R5xx GPU I2C bus for sensors.
- Added VIA P4M890 chipset.
- Added Intel 945GT chipset SKU.
- Fixed report of memory timing parameters for i9xx chipsets in single-channel mode when only chB is populated.
- Added recognition of R580 family, RADEON X1900 XL model and RS600 chipset.
- Added support of Abit MicroGuru2005 sensor.
- Improved identification of Cyrix GXm CPU.
- Added nVidia G72-based GPUs: GeForce 7300 LE, Quadro FX 350, GeForce 7300 GS.
- Added preliminary recognition of Intel Broadwater chipset.
- Added identification of LGA771 socket for Dempsey and improved S603/604 identification for Xeon family.

Latest v1.58
Released on Dec-14-2005

- Fixed crash while retrieving CDVD capabilities on some machines.
- Fixed detection of video card model via PCI subsys ID.
- Added recognition of nVidia nForce4 SLI X16.
- Added report of Intel Secure Mode Extensions feature.

- Added reporting of ICH7 features (iAMT, Energy Lake, SATA AHCI and RAID modes) supported.
- Improved identification of ULi M1567 SB.
- Added Intel Core processor brand name and new brand logos.
- Added nVidia MCP51 SMBus Host support.
- Added recognition of VIA C7 (Esther).

Latest v1.57
Released on Nov-17-2005

- Added recognition of VIA VT3351, K8M890CE and CX700 chipsets.
- Updated recognition and support of VIA PT8xx chipsets.
- Added Intel ESB2 and nVidia MCP55 devices.
- Added nVidia GeForce 6150 LE, 6600 VE, 6800 XE, GeForce Go 7300, 7400, 7800 and Quadro FX 350M.
- Updated recognition of Intel 915GM(S)/PM/910GML SKUs.
- Added ATI MOBILITY RADEON X700 XL, X850 SE, RV370X, RV371, R430 XTP, R480GL, R499, M52, M54, M58 and ES1000 (RN50).
- Updated HDA Codec enumeration.
- Added recognition of Dual-core AMD Athlon64 FX processor.
- Added nVidia GeForce 7800 GS.
- Added support of SiS 7018 AC'97 controller.
- Added recognition of Intel 975X chipset.
- Updated calculation of CPU frequency.
- Updated report of available PCI Express slots.
- Fixed livelock hang during scanning of PCI bus on some machines with CardBus PCI Bridges.
- Added support of NSC/AMD Geode GX1, GX and LX CPUs.
- Added reporting of memory timings for ATI RC410/RD400/RS400.
- Added recognition of ATI Radeon Xpress 200 CrossFire Edition (RD400/RD480).
- Added support of ALi M5455 AC'97 controller.
- Added some new AC'97/HDA codecs.
- Added support of multiple video adapters.
- Improved SMBus scan.

Latest v1.56
Released on Oct-04-2005

- Added report of maximum CPU Physical and Virtual address size and MTRRs.
- Added support of ESB2 SMBus.
- Added nVidia GeForce 6600 LE, GeForce 6700 XL and GeForce 6250.
- Added recognition of Intel 945PL and 945GZ chipsets.
- Added Creative X-Fi.
- Added nVidia GeForce 6500 and GeForce 6800 XT.
- Added recognition and support of Intel Merom.
- Fixed crash on some Tualatin Pentium III machines.
- Added support of FB-DIMM DDR2/3 SPD modules.
- Fixed support of SiS 965 SMBus Host.
- Added recognition of some ATI RV515 chips.
- Added support of VIA VT8287 SMBus Host.
- Added nVidia GeForce 6100, 6150 and 6800 GTS.
- Enhanced recognition of nVidia C51 chipset.
- Added preliminary ICH8 recognition.
- Added preliminary support of Intel Yonah CPU Digital Thermal Sensor monitoring.

- Added SPD support for ASUS P4B.
- Enhanced recognition of ATI X1300, X1600 and X1800 GPU series.
- Addded nVidia GeForce Go 7800 GTX.

Latest v1.55
Released on Aug-04-2005

- Fixed GPU clock report for nVidia GeForce 7800.
- Added nVidia C51 and G72 GPUs.
- Added several new AMD feature flags.
- Added support of Analog Devs. ADT7463, ADT7467 and ADT7468 monitoring chips.
- Added memory timing info for ATI RS3xx IGPs.
- Fixed recognition of Athlon64 with 256K L2 cache.
- Added ATI FireMV 2200 PCI, RADEON XPRESS 200 (RC410 and RS482).
- Added support of ALi M1573 SMBus Host.
- Added new PCI Class Codes according to PCI Spec 3.0.
- Added new steppings of Intel Smithfield, Irwindale, Paxville and Cedar Mill/Presler/Dempsey.
- Added identification of ATI MOBILITY RADEON Xpress 200M (RS482M) and SB450 South Bridge.
- Enhanced support of VIA UniChrome (Pro) GPU.
- Added support of VIA VT1211 LPC sensors.
- Added report of Rendition Verite 2×00 clocks.
- Fixed CPU frequency calculation when Enhanced Halt State (C1E) is active.
- Added recognition of AMD Dual-core Opteron SE.
- Added enhanced information for Intel P4 and above CPUs (Enhanced Halt States, TM1/2, Plat. requirements).
- Added nVidia GeForce 7800 GT.
- Added detection of Single/Dual-channel memory mode for some chipsets.
- Fixed PCI Bus hierarchy in logfiles.

Latest v1.54
Released on Jun-23-2005

- Updated counting of Multi-core Intel CPUs.
- Fixed memory timing information for i945/955 chipsets.
- Fixed hang during PCI Scan on 64-bit systems.
- Added support of nVidia nForce4 Intel Edition.
- Added detection of AMD Secure Virtual Machine feature (Pacifica).
- Added recognition of VIA K8M890 and P4M800CE chipsets.
- Added serveral variants of ATI R520, RV530 and M56 GPUs.
- Added detection of BluRay BD-R and BD-RE read/write capabilities.
- Added detection of nVidia GeForce 7800 GTX and Quadro FX 4500.
- Enahanced support of nVidia G70.
- Added SMBus support for SiS965.
- Added branding of AMD Sempron 64-bit processor.

Latest v1.53
Released on Apr-19-2005

- Fixed CPU clock ratio detection for some AMD K7 models.
- Updated "unhiding" of ICH6(-M) SMBus host.
- Added ATI RADEON X850 XT, Pro, Platinum based on R481.
- Fixed DRAM Row memory info for VIA KT/PT880 chipsets.

- Extended maximum scanned PCI bus number to 255.
- Added Matrox Parhelia PCIe based cards.
- Added report for GPU/Mem clock for Volari GPUs.
- Added recognition of AMD Ex-stepping CPUs (Venice, San Diego, Palermo).
- Added detection and support of AMD Athlon64 X2 (Toledo), Dual-core Opteron (Denmark, Italy, Egypt) and Turion64 Mobile (Newark, Lancaster).
- Added support of Intel 854 chipset.
- Added detection of DVD+RW Double Layer Read/Write capability.

Latest v1.52
Released on Mar-03-2005

- Added support of LM85, ADT7460, SMSC LPC47M192, SCH311X, EMC6D100, EMC6D101, EMC6D102, EMC6D103, A8000 and Philips NE1619 sensors.
- Added report of Virtual Machine Extensions (Vanderpool) support.
- Added support of National PC87360, PC87363, PC87364, PC87365 and PC87366 monitors.
- Added support of SMSC EMC1001, 1002, 1023 and 1033 temperature monitors.
- Added identification of later Super-IO/LPC chips.
- Added support of Embedded Monitoring chips for DELL machines.
- Updated detection of Maximum Allowed Frequency for Dothan-533.
- Added support of SiS180 SATA controller.
- Improved I2C support of nVidia Graphics cards.
- Added some info about AC'97 codec capabilities.
- Added support of ALi M1563 SMBus Host.
- Updated support of ATI Rage128 family.
- Added support of Winbond W83784/5R GPU monitoring.
- Added AC'97 Codec info for VIA, SiS, AMD, nVidia and ATI chipsets.
- Added support of multiple sound cards.
- Improved identification of XGI Volari V3XT, V5XT, V8 Ultra Duo cards.
- Added 3DLabs P20, U20 and P25 3D Accelerators.
- Updated detection of memory speed for DDR2-667 and faster modules.
- Enhanced preliminary support of future Intel products (Lakeport, Glenwood, Mukilteo, Calistoga, Twin Castle, Smithfield, Yonah).
- Added dual-core Intel Pentium D and Pentium Extreme Edition names.

Latest v1.51
Released on Jan-19-2005

- Added distinguish of nForce4 SLI.
- Added support of Winbond W83784LR/5R sensor on nVidia GPUs.
- Fixed crash on AMD K8-family CPUs not supporting FID/VID management.
- Fixed Engineering Sample check for some Pentium 4 CPUs.
- Updated report of High Definition Audio devices. Added detection of HDA Codec.
- Fixed report of supported DDR2 memory speed for some modules.
- Added SATA AHCI and RAID support for Intel ICH6 and later controllers.
- Added support of Dual/Multi-Core processors.
- Updated recognition of Intel E7210 and 925XE chipsets.
- Updated recognition of Intel Celeron D Processor.
- Added support of Abit MicroGuru hardware monitor.
- Added support of National LM89 sensor on nVidia GPUs.
- Added recognition of Intel 915PL and 915GL chipsets.
- Updated memory timings report for Intel 9xx and future chipsets.

- Added report of number of Vertex Shaders for NV4x and updated Pixel Pipelines count report.

Latest v1.50
Released on Dec-13-2004

- Added nVIDIA GeForce 6800 Go, Quadro FX Go1400 and GeForce 6200.
- Added detection of supported CPU Voltage range and current status for Intel CPUs supporting TM2 and AMD64.
- Enhanced support of some ALi/ULi chipsets.
- Added recognition of nVidia nForce4 chipset.
- Added ATI Mobility Radeon X700.
- Added detection of BluRay BD-ROM and BD-RE (REwriteable) devices.
- Added preliminary recognition of some future Intel products.
- Added VIA P4M800 and PT894 + VT8287 chipsets.
- Added ability to report clock throttling status of Intel CPU-internal Thermal Monitor.
- Added hardware monitoring of later ATI and nVidia cards.
- Redesigned System Summary screen.
- Added recognition of ATI X850 and X800XL cards.
- Added recognition and support of ATI Radeon Xpress 200 (RS480) chipset.
- Added SATA bus support for some nForce chipsets.
- Several minor bugfixes and improvements.

Latest v1.45
Released on Sep-21-2004

- Added ATI FireGL V5100, V7100, V7200, MOBILITY RADEON 9800, MOBILITY FireGL V3100, V3200, V7100.
- Enhanced support of Intel E7320 and E7520 chipsets.
- Added report of DVD-R(W)/DVD+R(W)/DVD+R DL drive read\write capability.
- Improved low-level ATAPI drive recognition.
- Added memory timings for nForce2.
- Fixed HW monitoring readings for some W8378x compatible sensors.
- Added several new PCI devices.
- Added support of SiS964 SMBus Host.
- Added ATI RV410.
- Added nVidia GeForce 6600, 6600 GT, 6610 XL, Quadro FX 540, Quadro FX 1400.
- Added detection of Intel E7221 Copper River.
- Updated current memory clock report for some SiS and VIA KT400A/600 chipsets.
- Added support of Analog Devices ADT7470 HW monitor.
- Added recognition of AMD Mobile Sempron and some Low Voltage parts.
- Added preliminary support of ICH6-M and ICH7.

Latest v1.44
Released on Jul-22-2004

- Added ATI RS350M, M18.
- Enhanced support of Intel 915, 925 and E7525 series chipsets.
- Added LGA775 platform recognition.
- Fixed recognition of some Pentium III Xeon processors.
- Fixed support of DDR2 SDRAM modules and enhanced DDR support.
- Added recognition of AMD Sempron.
- Added Trident/XGI Volari-XP5.
- Updated GPU/Mem clock calculation for NV4X and ATI R4xx.

- Added more detailed info for i915, i925 and ICH6 components.
- Added support of Winbond W83647HF hardware monitor.
- Added report of SiS655TX chipset.
- Added report of South Bridge type.
- Enhanced support of VIA KT880 chipset.
- Updated summary screen.

Latest v1.43
Released on Jun-08-2004

- Added report of Socket type for AMD Hammer family (754, 939, 940).
- Added nVidia GeForce FX Go5100, GeForce 6800 GT, Quadro FX 3400 and 4000.
- Added Creative Technology SB Audigy LS Sound Card.
- Added support of Intel Dothan.
- Updated PCI-X support with Mode 2 (PCI-X 266 and PCI-X 533).
- Added report of Number of Pipelines and Video Memory Bus Width for some ATI and nVidia cards.
- Added Intel Celeron D recognition.
- Added recognition of Intel E7520, E7525 and E7320 chipsets.
- Added ATI M22, M24 and M24GL mobile chips.

Latest v1.42
Released on Apr-29-2004

- Fixed report of RIMM module size.
- Fixed report of Hyperthreading support in the summary screen.
- Added recognition of AMD Paris.
- Added ATI RV370, RV380, RV380GL, RS400, RS400M, RADEON X800 (R420), R420GL, R423, R423GL, M28, M28GL.
- Added ATI Mobility FireGL T2.
- Added nVIDIA GeForce 6800 (Ultra), GeForce PCX 5750, 5900, 5300, 4300, Quadro PCI-E, Quadro FX 700 and 1300.
- Fixed sensor report.
- Updated calculation of CPU frequency for some AMD mobile CPUs.
- Stability improvement for some Intel and VIA SMBus hosts.

Latest v1.41
Released on Mar-26-2004

- Added report of PCI Express negotiated link width for PCI Express graphics cards.
- Enhanced support of SATA controllers.
- Added detection of 64-bit extensions for Intel IA-32e technology.
- Added report of Native Command Queuing for SATA drives.
- Added recognition of AMD Opteron HE and EE processors.
- Added report of current ATA drive temperature if supported (requires S.M.A.R.T.).
- New design for sensor status page.
- Added Intel 6300ESB SMBus support.
- Added nVidia GeForce FX 5100, GeForce4 448 Go, GeForce FX Go5700 and Quadro FX Go1000.
- Added ATI SB300C SMBus Host support.
- Enhanced current memory timing info (added tRCD-tRP-tRAS).
- Added recognition of nVidia nForce3 250.

Latest v1.40

Released on Feb-17-2004

- Added S3 DeltaChrome and DeltaChromeX9m.
- Fixed report of video card DDR2 memory type.
- Added nVidia GeForce FX Go5250, Go5300, 5500, 5700LE and 5700VE.
- Updated IDE/ATAPI low-level drive scan.
- Improved identification of i865P and 848P chipsets.
- Added recognition of Intel Celeron M.
- Added new Giga-Byte video cards based on nVidia GPUs.
- Enhanced support of VIA PT880 chipset.
- Added several new VIA/S3 AlphaChrome and DeltaChrome video chips.
- Added support of AMD-8111 SMBus.
- Added AMD x86-64 platform support for MS Windows Server 2003/XP 64-bit Edition.
- Added report of PCI Express Link Width (x1 – x32).
- Added preliminary recognition of Intel 915Gx/P, 925X and ICH6.
- Enhanced Intel Prescott support.
- Added some AC'97 Codecs.

Latest v1.34
Released on Dec-18-2003

- Added Intel 855GME chipset.
- Added nVidia GeForce FX 5700, GeForce FX 5700 Ultra, ICE FX 2000, Quadro NVS 280 PCI and Quadro FX 1100.
- Added ATI RADEON 9800 XT.
- Updated system summary (new look, icons).
- Added Intel Pentium 4 Extreme Edition.
- Added several new PCI devices.
- Added XGI Volari V4, V5 (Ultra), V6, V8 (Ultra) GPUs.

Latest v1.33
Released on Sep-22-2003

- Added support of Winbond W83627THF, W83637HF and some ADM H/W monitors.
- Added ES-check for Coppermine > 0681 CPUs.
- Enhanced support of VIA VT8237.
- Fixed report of GPU and memory clock for Matrox Parhelia.
- Added nVidia Quadro FX Go700, GeForce FX 5200SE, 5600SE, 5900SE and 5950 Ultra.
- Updated detection of VIA KT600 chipset.
- Added VIA K8T890, PT880 and PM880 chipsets.
- Added distinguising between VIA KT266/KT266A/KT333/KT333CF and KT400A/KT600.
- Added recognition of nForce3 chipset.
- Added Athlon 64 FX.
- Added ATI RADEON 9200 SE, 9800 SE and MOBILITY RADEON 9600 (M10).
- Updated report of GPU/Mem clock for NV31.
- Fixed detection of Computer Name for machines based on Phoenix BIOSes.

Latest v1.32
Released on Jun-26-2003

- Fixed report of true CPU count for HT CPUs.
- Enhanced support of i865 chipset.

- Added report of video chip revision for later ATI and nVidia boards.
- Updated SCSI/IDE(Safe Mode) device addressing.
- Added Matrox Millennium P650 and P750.
- Added distinguish between Intel 852GM, 852PM, 852GME and 855GM chipsets.
- Added recognition of Mobile Pentium 4 Processor.
- Added several new CRT and LCD monitors.
- Updated enumeration of Network adapters.
- Updated frequency measurement for mobile AMD CPUs.
- Added VIA/S3 Unichrome integrated graphics.

Latest v1.31
Released on May-15-2003

- Added SiS Xabre II video adapter.
- Added detection of Intel 875P Canterwood chipset.
- Enhanced support of Intel Pentium-M.
- Added ATI Fire GL X1U based on R350 core.
- Added nVidia mobile chipsets based on NV17, NV18 and NV28 core.
- Added support of 800 MHz P4 FSB.
- Updated identification of AMD Athlon-64 and Opteron.
- Added detailed information for i875 and ICH5.
- Added detailed information for AMD Hammer integrated NB.
- Added recognition of nVidia nForce2 Ultra (400) chipset.
- Enhanced support of some ALi chipsets.
- Added identification of nVidia GeForce FX 5900 (Ultra) and Quadro FX 3000.
- Improved recognition of DDR2 SDRAM.
- Added detection of Engineering Samples for later Intel CPUs.

Latest v1.30
Released on Mar-17-2003

- Updated recognition of nVidia NV30, NV31 and NV34 based cards.
- Added support of VIA Nehemiah-based C3 processor.
- Added report of current memory clock.
- Enhanced IDE Safe mode – now able to enum IDE drives at full stability.
- Some design improvements.
- Added preliminary identification of PCI Express bus.
- Enhanced Intel Prescott support.
- Updated SMBIOS DMI information.
- Added detection of ATI RV280, RV350, R350, M9+ and RS300 chipsets.
- Enhanced support of Intel 855GM/PM chipsets.
- Added preliminary recognition of i865 Springdale chipset and ICH5 SMBus.

Latest v1.22
Released on Jan-21-2003

- Added detailed information for ICH3 and ICH4.
- Added recognition of Matrox Parhelia 8x.
- Fixed report filter.
- Added recognition of 3DLabs Wildcat 4.
- Enhanced support of Intel E7205, E7501 and E7505 chipsets.
- Added preliminary MCP2 SMBus support.
- Added recognition of Barton-based AMD Athlon XP.
- Added ELSA GLADIAC 9000, 9500, 9700 PRO, Winner 7000 and 7500.

- Added identification of ATI All-in-Wonder 9000 and 9700 cards.
- Added support of LM90 sensor.
- Added preliminary recognition of Serial ATA drives.
- Added ATI FireGL X1 (Pro) and Z1 (Pro) accelerators.
- Enhanced support of Intel 852GM Montara chipset.
- Added recognition of several new motherboards and PCI devices.

Latest v1.21
Released on Oct-08-2002

- Enhanced support of VIA KT400, P4X400 and K8T400 chipsets.
- Added report of Audio Codec for Intel AC'97 audio controllers.
- Added recognition of VIA K8N400, K8M400, KM400, P4M400 and P4X800 chipsets.
- Added support of DDR400 and DDR533 memory clock.
- Updated detection of Mobile AMD Athlon XP and Mobile Duron processors.
- Added report of CPU Update Revision ID (Intel only).
- Added recognition of several new RADEON 9000 based cards.
- Fixed detection of some ATAPI devices.
- Added S.M.A.R.T. status report.
- Added detection of nVidia NV30 and NV30GL chips.
- Some minor bugfixes and updates.
- Added recognition of Intel E8870 and nVidia nForce2 chipsets.
- Added new ASUS graphics cards.
- Updated detection of higher AMD clock multipliers.
- Added recognition and support of Intel 845GE, 845PE and 845GV chipsets.
- Added detection of Intel Banias processor.
- Some minor updates, bugfixes and stability improvements.

Latest v1.20
Released on Jul-25-2002

- Enhanced detection of Intel 845E, 845G, 845GL and 845GLL chipsets.
- Added report of GPU and Memory clock for later nVidia, Matrox, ATI and 3Dfx cards.
- Added recognition of SiS Xabre GPU.
- Added detection of ATI RV250, Radeon Mobility M9 and M9-GL.
- Fixed support of Multi-LUN SCSI devices.
- Added recognition of VIA CLE266, P4N333, P4X600, KT400 and K8HTB chipsets.
- Added detection of 3DLabs P10 VPU and various Wildcat VP cards.
- Updated support of Intel Mobile Celeron based on Northwood core.
- Added recognition of Matrox Parhelia.
- Added nVidia NV18 and NV18GL.
- Added detailed information for VIA KT266/333/400 and VT8231/3/5 components.
- Fixed support of HPT366 UDMA controller.
- Updated calculation of CPU frequency.

Latest v1.10
Released on May-20-2002

- Added support of AMD Thoroughbred.
- Enhanced support of VIA C3 Processors (Samuel 2, Ezra, Ezra-T).
- Added identification and support of Intel 82801DB(M) ICH4(-M).
- Updated support of S3 video chipsets.
- Added support of Windows 95 (due to a VxD driver). Driver installation under Windows 95/98/Me no longer requires a reboot.

- Reduced memory usage.
- Enhanced USB information.
- Added support of SMBus for later SiS chipsets.
- Fixed calculation of frequency for CPUs above 1.4 GHz.
- Added detection of AMD-8100 Hammer chipset.
- Added recognition of Intel 82845MP/MZ and 850E chipsets.
- Added detection of VIA P4X333, KT333 and KT333A chipsets.
- Added recognition of Intel Celeron based on Willamette core.
- Added detection of Intel 845G, E7501, E7505, E7205, Montara GM and P4300-M Odem chipsets.

Latest v1.06
Released on Apr-02-2002

- Updated SMBus support for Intel 82801CA(M) ICH3(-M) and 82801E C-ICH.
- Enhanced CD/DVD drive information (reports R/W capabilities).
- Added detection of ATI A4 (RS200, RS200M) and R300 chipsets.
- Updated P.I.ROM support for Intel Xeon Processors.
- Added identification of nVidia GeForce4 420/440 Go and Quadro4 500 GoGL.
- Added recognition of several Gainward CARDExpert graphics cards.
- Added detection and support of Intel E7500 chipset.
- Added support of PCI-X bus.
- Added identification of ATI RADEON 8800 and Fire GL 8700/8800 cards.
- Added detection of Mobile Intel Pentium 4 Processor – M.
- Added support of 533 MHz QDR Pentium 4 bus.
- Added recognition of Intel Xeon Processor MP.
- Added detection of 3Dlabs Wildcat III 6110 and 6210.
- Added several new ASUS and Abit video cards based on NV17 and NV25.

Latest v1.05
Released on Feb-03-2002

- Fixed report of clock ratio for Tualatin CPUs.
- Added support of Clock Multiplier and Max. Allowed Freq. for Northwood.
- Fixed a crash ocuring on some S3 video adapters or when UDMA was supported, but inactive.
- Added detection of SiS 315 video chipset.
- Added enumeration of logical and physical CPUs for Hyper-Threading (Jackson) Technology.
- Updated detection of GeForce4 and Quadro4 family (based on NV17 and NV25).
- Added detection and support of Intel SpeedStep technology.
- Updated IDE/ATAPI drive detection (should be more stable).
- Updated detection of SCSI devices.
- Updated support of ATI graphics cards.

Latest v1.04
Released on Jan-08-2002

- Updated support of DDR SDRAM modules (frequency and CAS Latency report).
- Added detection of ATI A3 chipset.
- Added report of ATA-133 (Ultra/DMA-6) mode.
- Added preliminary SMBus support for nVIDIA nForce and detailed info for IGP.
- Added recognition of ALi M1671 Aladdin P4 chipset.
- Enhanced system summary sheet.

- Added detailed information about nForce chipset components.
- Added new ELSA graphics cards.
- Enhanced design – support of Windows XP themes.
- Added recognition of several new PCI devices and motherboards.
- Added detection of AMD-760MPX chipset.
- Added detection of nVidia NV17M and S3 Twister video chipsets.
- Added detection of Intel 845D chipset.

Latest v1.03
Released on Nov-08-2001

- Added detection of SiS640, 645, 650 and 750 chipsets.
- Added detection of nVIDIA GeForce3 Ti 200 and 500.
- Added Hercules 3D Prophet II Titanium, 3D Prophet III Titanium 200 and 3D Prophet III Titanium 500 video cards.
- Enhanced ATA/ATAPI-6 info, added LBA 48-bit support.
- Added detection of AMD Athlon XP Processor.
- Added detection of ATI RADEON 8500 and All-in-Wonder RADEON 8500.
- Added automatic driver installation/upgrade.
- Added new ASUS video cards including V7700 Ti, V8200T2 and V8200T5.
- Added new 3Dlabs Wildcat II video cards.
- Added Creative Audigy sound card.
- Added detection of Northwood core-based Intel Pentium 4.
- Added detection of nVidia NV17 and NV25 chips.
- Added detection of nVidia nForce 220 and 420 SDR/DDR chipsets.

Latest v1.02
Released on Oct-04-2001

- Added detection of Intel Pentium III-M processor.
- Fixed support of High Point HPT370 UDMA controller.
- Updated support of ASUS SPD memory.
- Added report of Platform ID for Intel Pentium III and above CPUs.
- Updated detection of Intel Mobile Pentium III Processors.
- Added detection of VIA VT8375 P/KM266, VT8753 P4X266, P4M266, P/KN266 and P4N266 chipsets.
- Updated detection of Matrox MGA-G550.
- Added detailed info for i82845 MCH.
- Enhanced PCI/AGP/CardBus tree structure.
- Added ServerWorks Grand Champion LE and HE chipsets.
- Added recognition of Windows XP.
- Fixed crash on some boards with OSB4 or ICH2-M south bridges.
- Updated report of Platform ID for Tualatins.
- Added recognition of ATI Radeon 7000, 7200 and 7500 cards.

Latest v1.01a
Released on Aug-15-2001

- Fixed wrong identification of some later CPUs.
- Updated VIA KT133A identification.
- Some minor updates (ServerWorks, Compaq devices, Motherboards, …).

Latest v1.01
Released on Aug-13-2001

- Added nVidia nForce integrated-graphics chipset.
- Added Intel 82801CA(/M) I/O Controller Hub 3 (ICH3).
- Added detection of Intel 845 Brookdale and 830MP Almador chipsets.
- Added clock ratios for Tualatin CPU.
- Added Diamond Fire GL4 and GL4s video accelerators.
- Added ASUS PCI-V7100PRO and PCI-V7100MAGIC video cards.
- Updated clock multiplier report for VIA Cyrix III/C3.
- Added detection of Intel 815EP B-Step chipset.
- Added several AOpen graphics cards.
- Updated CPU clock report for mobile processors.
- Added system summary.

Latest v1.00
Released on Jun-05-2001

- Added Coppermine core stepping D0 and Cascades stepping B0.
- Added several new motherboards.
- Added export into XML.
- Added ST PowerVR KYRO II and nVIDIA Crush 11 video chipsets.
- Added support of Maxim MX1618, MX1619, MX1669 and MX6654.
- Added Intel 82801BA ICH2X.
- Added detection of VIA KM/KL133 chipset.
- Added Trident CyberBlade-Ai1 and CyberBlade-XP video chipsets.
- Added ASUS AGP-V6600MX, V7100PRO, V7100MAGIC and V8200 Deluxe cards.
- Added AMD Athlon 4 (Palomino) processor.
- Added detection of Intel Xeon(TM) processor.
- Added detailed info for Intel 82860 MCH.
- Added Hercules 3D Prophet 4000XT and 4500 video cards.
- Added nVIDIA NV20DCC and ELSA GLoria DCC video card.
- Added ATI M7 and RV200 chips.

Latest v0.9d BETA
Released on Apr-09-2001

- Added ARK 8X00 Tiger video chipset.
- Updated detection of AGP bus.
- Added several new graphics cards and mainboard chipsets.
- Added SiS 735 and 745 chipsets.
- Added detailed chipset info for AMD-761.
- Added Hercules 3D Prophet II Ultra, 3D Prophet III, ELSA GLADIAC 311, 511, and GLADIAC 920 video cards.
- VIA Samuel 2 -> VIA C3 Processor.
- Added Diamond Fire GL3.
- Added detection of ALi M1644, M1646, M1661 and M1667 chipsets.
- Added detection of S3 SuperSavage video chipsets.
- Added ATI Radeon Workstation AGP video card.
- Added SMBus support for AMD-766 and SiS 5595B south bridges.

Latest v0.9c BETA
Released on Feb-19-2001

- Added detection of ATI RV100 and M6 video chips.
- Added PowerVR KYRO II cards.
- Added support of batch mode – auto logging at startup (GUI bypass).

- Added detection of VIA KT266 and Apollo Pro266 chipsets.
- Added detailed info about VIA KT133 North Bridge and VT8231 South Bridge.
- Added several new motherboards.
- Added detection of VIA VT8653 PX266, VT8362, VT8615, VT8361 and VT3133 chipsets.
- Some minor improvements.

Latest v0.9b BETA
Released on Dec-21-2000

- Added Guillemot 3D Prophet MX and some new 3DLabs cards.
- Enhanced support of Intel Pentium 4 Processor.
- Added IBM RC1000 Graphics Rasterizer and Diamond Fire GL2 Video Accelerator.
- Added details for i850 chipset.
- Added detection of VIA 82C686B South Bridge.
- Added detection of VIA Samuel 2 CPU.
- Added support of ST PowerVR KYRO accelerator.
- Added support of VIA VT8231 and Reliance OSB4 SMBus Hosts.
- Fixed some minor bugs.
- Updated Athlon >1GHz clock multiplier report.
- Enhanced SCSI device info.
- Added report of clock multiplier for VIA Cyrix III CPUs.
- Added detection of VIA VT8363A KT133A chipset.

Latest v0.9a BETA
Released on Nov-20-2000

- Added support of ArtX S1-370 TL chipset.
- Added support of ITE IT8712F HWM.
- Added report of Minimum Cycle Time for different CAS latencies.
- Fixed a crash when detecting an nVIDIA card under NT/2000.
- Added SiS305 video adapter.
- Added detection of AMD-750MP, AMD-760 and AMD-760MP chipsets.
- Added detection of 3Dfx VSA-200 and nVIDIA NV20 chips.
- Added ELSA GLadiac Ultra video card.
- Added detailed info about Intel 82810E, 82840, 82815 GMCH and 82801BA/BAM ICH2/ICH2-M.

Latest v0.9.9ß
Released on Nov-05-2000

- Created installation using the great and free InnoSetup program.
- Added ATI All-in-Wonder Radeon 256 and more ATI Radeon 256 cards.
- Fixed multiple PCI NW cards report.
- Fixed BSOD on some machines having a NULL pointer in the ACPI BIOS table.
- Added Creative Labs GeForce 2 Ultra, ASUS AGP-V7700/64M and AGP-V7700 Deluxe cards.
- Added export into Comma Delimited Format (CSV).
- Added support of Intel 815EM chipset.
- Added some new monitor IDs.

Latest v0.9.8ß
Released on Sep-17-2000

- Added report of AMD x86-64 Long Mode feature support.
- Added Promise Technology Ultra100 and FastTrak100 RAID controllers.
- Added some motherboards and DDC monitors.
- Added support of multiple network cards.
- Added ASUS AGP-V7100 video card.
- Fixed detection of VIA Cyrix III (Samuel).
- Added detection of Corollary/Intel ProFusion chipset.
- Added about 200 new PCI vendors and devices.
- Added clock ratio report for some Cyrix CPUs.
- Updated detection of Matrox MGA-G450.
- Added several Matrox G450-based cards (Millennium, Marvel, Orion).
- Added Abit Siluro GF256 GTS card.
- Added identification of motherboard model with AMI BIOSes.

Latest v0.9.7ß
Released on Aug-05-2000

- Fixed driver installation problem under Windows 98.
- Added report from HWM sensors.
- Added detection of DDR-SDRAM, VC-SDRAM and H/ESDRAM memory modules.
- Added SPD support for RDRAM RIMM modules.
- Added identification of Transmeta Crusoe.
- Enhanced support of Intel Pentium 4 (flags, cache, TLB).
- Added ELSA GLADIAC MX and Leadtek WinFast GeForce 2 MX boards.
- Added a workaround for Duron A0 stepping L2 cache size.
- Updated detection of VIA KT133 chipset.
- Added Matrox G400 Flex 3D card.
- Added Acer ALi M1632M CyberBLADE Aladdin i1, M1647 MAGiK1 and M1651 Aladdin Pro 5 chipsets.
- Fixed report of ATI Radeon memory size.

Latest v0.9.6ß
Released on Jul-02-2000

- Added memory benchmark.
- Added support of ATI Rage6 video chipset and ATI King City card.
- Added detection of Matrox MGA-G450 and MGA-G800 chips.
- Added detection of 3Dfx VSA-100 and Voodoo4/Voodoo5 cards.
- Added detection of Intel i850 and i860 chipsets.
- Added detection and support of Intel 82801BA ICH2 and 820E chipset.
- Added ATA-100 UDMA mode.
- Fixed detection of some ATAPI devices.
- Added Guillemot 3D Prophet II GTS.
- Added 3DLabs Oxygen GVX210 AGP and VX1-16 AGP cards.
- Updated benchmark values comparison.
- Updated report of PC133 SDRAM speed.
- Added detection of National Semiconductor Geode GX1 processor.
- Added support of CMD PCI-0648 UDMA/66 and PCI-0649 UDMA/100 controllers.
- Added report of current FSB clock for later CPUs.
- Enhanced support of Intel i815 chipset.
- Added report of clock multiplier for Athlon CPUs.
- Added SiS 730S and 740 chipsets.
- Added debug mode.

Latest v0.9.5ß
Released on Jun-01-2000

- Added detection of AMD K6-2+, K6-III+, Duron and Thunderbird.
- Added detection and support of Intel 815 Solano chipset.
- Added detection of VIA KT133 chipset.
- Added Multiprocessor and Multi-P.I.ROM support. HWiNFO32 should report CPU info for each CPU in MPS now.
- Added disk benchmark (burst read and random access) – requires NT/2000.
- Added complete enumeration of ACPI DSDT space.
- Updated detection of IDE drives.
- Added report of assigned resources for ACPI devices.
- Added detailed info for VIA 596A/B, 686A South Bridges and KX133.
- Added nVIDIA GeForce2 GTS and Quadro2 official names for NV15.
- Updated support of SMBus Host for VIA 596A and 596B South Bridges.
- Enhanced support of ALi M1521, M1531, M1541 and M1621 chipsets.
- Added support of ALi M15X3 SMBus Host Controller.
- Added Leadtek WinFast GeForce2 GTS and ELSA GLADIAC-32 and -64 boards.
- Updated support of ICH and ICH0 SMBus Host.
- Updated report of max. allowed frequency and clock for Coppermine CPUs (up-to 1.6 GHz).
- Added detection of new Intel Pentium III Xeon Processors (A0).
- Added VIA VT8605 PM133 chipset.
- Added report of extended CPU name for Willamette and above.
- Added report of bus clock multiplier for AMD K6-2 (model 8) and K6-III CPUs.

Latest v0.9.4ß
Released on May-04-2000

- Added some benchmarks (CPU, FPU and MMX). More to come ! Results can be graphically compared against own saved results too.
- Fixed some bugs in the P.I.ROM info.
- Added HP Visualize fx4 accelerator.
- Added detection of VIA Cyrix III Processor.
- Added some new ATI boards.
- Added disk buffer flush at startup. This avoids data-loss in case of crash.
- Added identification of newer Compaq machines.
- Added detection of Reliance CNB20-LE and CNB20-HE chipsets.
- Added P-Ratings.
- Added support of Promise UDMA/66 controller.
- Added detection of ALi Aladdin VII chipset.
- Added detection of InteGraphics CyberPro5000 and CyberPro5050.
- Added several new PCI devices.
- Fixed a small bug while program startup with VIA 571 IDE controller.

Latest v0.0.3ß
Released on Apr-01-2000

- Added several new motherboards.
- Added some Micro-Star and ELSA Winner II video cards.
- Added Guillemot Maxi Gamer Cougar, 3D Prophet and 3D Prophet SE cards.
- Added LeadTek WinFast VR300.
- Added recognition of Intel Willamette Processor.
- Added support of Willamette new CPU flags (SSE-2, ACPI, DTES, Selfsnoop).

- Fixed report of video memory size for S3 Savage2000.
- Fixed report of AGP bus for S3 chipset based cards.
- Added report of motherboard slot count and type.
- Added ATI Rage Fury Pro, Xpert 128, Xpert 2000, Xpert 2000 Pro and RAGE FURY MAXX boards.
- Added ELSA Erazor III Pro and Erazor III LT boards.
- Added new CPU feature: IA-64 Processor.
- Added several new PCI class codes and devices.
- Added about 400 new PCI device vendors.
- Added steppings for AMD Athlon and AMD-750 chipset components.
- Added cB0 stepping of Intel Pentium III 1.0B GHz.
- Added Diamond Viper II Z200 FlatPanel.
- Added report of ATC (Advanced Transfer Cache) Full-speed On-chip cache.
- Added support of VIA VT8601 Apollo ProMedia Chipset.
- Updated network card parameters report.
- 9Xinst.EXE + NTinst.EXE = HW32inst.EXE
- Added Acer ALI M1542 Aladdin V+, M1631 Aladdin Pro III and M1641 Aladdin Pro IV chipsets.
- Added nVIDIA NV11, NV11 DDR, NV11 GL, NV15, NV15 DDR, NV15 Bladerunner and NV15 GL GPUs.

Latest v0.0.2ß
Released on Feb-07-2000

- HWiNFO32 is divided into shareware and REGISTERED release now.
- Added DETAILED LOGGING (available in the registered version only). User can select which entries should be included in the logfile.
- Extended support of Windows 98. HWiNFO32 uses the same WDM driver now, but this driver isn't supported by Windows 95. You need to install this driver under Windows 98 too (use 9Xinst.EXE).
- Updated CPU frequency report (raises thread priority).
- Added support of HPT366 UDMA/66 controller.
- Updated support of ATI video cards.
- Updated memory size and type report for 3Dfx Banshee and Voodoo3.
- Updated max. allowed freq. report for 800/100 MHz CPUs.
- Added detection and support of SiS540 and SiS630 chipsets.
- Added Diamond Stealth III S540 Xtreme and Diamond Viper II Z200.
- Added some motherboards and monitors.
- Added detection of VIA VT82C694X Apollo Pro133 chipset.
- Added Creative Labs SB PCI512.
- Added 3Dfx Velocity 100 and 200, ELSA Erazor X and Xý, Leadtek WinFast 3D GeForce 256 DDR and ELSA GLoria II video cards.
- Added Diamond Speedstar A90 video card.
- Added Creative Labs Graphics Blaster RIVA TNT2 Value and 3D Blaster GeForce Annihilator Pro.
- Added report of AGP rate at which the video card is running.
- Added support of VIA KX133 chipset.
- Added Giga-Byte GA-660+, GA-665 and Number Nine SR9 Xtreme.
- Added 3Dlabs Oxygen ACX.

Latest v0.0.1ß
Released on Dec-11-1999

- First BETA release.