

CELSIUS® M430 Get more power

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CELSIUS workstations are equipped with the very latest technology and system components to deliver high-end performance. They are the ideal hardware choice for business segments like computer aided design and engineering, mechanical design, simulation, virtual reality, visualization, digital content creation, and finance. CELSIUS are certified for a huge variety of software applications, guaranteeing optimum performance whatever your preferred software solution is.

If you need more power and more expandability than an entry-level workstation can offer, opt for the mid-range workstation CELSIUS M430.

Performance

- Latest Intel Pentium 4 processors with HT and EM64T technology
- Max. 4.0 GB DDR2-SDRAM for memory demanding applications
- Ready for 64-bit computing
- PCI Express x16 to accommodate powerful graphics subsystems
- Optional SCSI controller and 15k rpm SCSI hard disk drives for high speed storage access
- RAID (0) support for SATA and SCSI disks for high speed storage

Reliability

- Developed and manufactured in Germany guaranteeing high quality, reliability and stability
- Features to enhance reliability, like ECC memory and RAID (1) for mission critical applications
- Choice of supply for on-time and tailored delivery: value4you, made4you
- Warranty, service, and spare part supply to suit individual customer needs
- Certification of all relevant workstation applications to ensure ISV support

Security

- Secure access to and protection for business critical data
- Integrated SmartCard reader optional
- SecureIT: software suite for easy integration into your IT environment

Manageability

- ManagelT: software suite for easy integration into existing IT environments
- Easy and remote administration with DeskView client management

Ergonomics

- Convenient front access to USB, audio, and SmartCard reader
- Optimized cooling to ensure lowest possible noise emission
- Specially tuned graphics driver for best image quality and performance
- Status display for your information
- Reduced downtime with service-friendly cabinet and easy component access (EasyChange and FlexyBay)
- Blue Angel Award for low energy consumption and recyclability
- Special medical kit for healthcare environments optionally available

Environment

- Design guidelines for eco-friendly products in respect to material and recycling
- Environmentally friendly product and ISO14001 certified manufacturing:
 - no dangerous waste during production,
 - lead-free printed circuit board and soldering process,
 - significant reduction of lead and halogens to a minimum



System		CELSIUS M430
Operating Systems	Windows XP Professional	Optionally preinstalled
	Windows XP Professional x64 Edition (4) Windows Vista™ Windows 2000 Linux	Optionally preinstalled Capable Tested RedHat / Novell certification on request
Mainboard		D1858
	Microprocessor	Intel® Pentium® 4 660, 670, HT, EM64T, Intel® Pentium® 4 3.4F, 3.6F, 3.8F, HT, EM64T, Intel® Pentium® 4 531, 541 HT, EM64T,
	Systembus	FSB 800 MHz
	Cache	1 MB or 2 MB second level cache
	Chipset	Intel 925X Express
	Slots	7 (max. 312 mm): 1 x PCI Express x16, 1 x PCI Express x1, 5 x PCI, 32-bit / 33 MHz
Memory	Amount (1) and type DIMM slots	Max. 4 GB, DDR2-533 SDRAM, ECC or DDR2-400 SDRAM non ECC, dual-channel 4
Interfaces	Serial	1 x 9 pin, RS232
	Parallel	1 x 25 pin, EPP and ECP
	Keyboard, mouse	2 x PS/2
	USB 2.0	2 x front optional, 4 x rear
	LAN	1 x RJ-45
	IEEE 1394	1 x rear
	Front Audio	Optional: 1 x headphone out, 1 x mic in
	Rear Audio	1 x line in, 1 x line out, 1 x mic in, 1 x S/PDIF
I/O controller	Fast IDE/ Ultra DMA-133	on board for 1 x 2 drives
	Serial ATA Interfaces	on board for 4 HDDs, RAID 0 / 1 / 10 support
	SCSI controller	optional: 29320-R, Host RAID 0 / 1 support
	LAN	Broadcom BCM 5751, 10/100/1000 Mbit/s, ASF 2.0
	Wireless LAN	optional
Graphics	Audio	Analog Devices AD1986, AC 97
Graphics	High-end 3D:	NVIDIA Quadro FX 3400, 256 MB, PCI Express, stereo, 1 x DL DVI-I, 1 x SL DVI-I
	Midrange 3D:	NVIDIA Quadro FX 1400, 128 MB, PCI Express, stereo, 2 x SL DVI-I
	Entry 3D:	ATI Fire GL V3250, 256 MB, PCI Express, stereo, 2 x SL DVI-I
	Multi monitor 2D:	NVIDIA Quadro FX540, 128 MB, PCI Express, 1 x SL DVI-I, 1 x VGA, HDTV-out
	Professional 2D:	NVIDIA Quadro NVS 285, 64 MB, PCI Express, 2 x SL DVI-I max. 3 NVIDIA Quadro NVS 280, 64 MB, PCI, 2 x SL DVI-I NVIDIA Quadro NVS 285, 64 MB, PCI Express, 2 x SL DVI-I NVIDIA GeForce 6200TC, 128 MB, PCI Express, 2 x SL DVI-I
Drives	Floppy disk	3.5 inch, 1.44 MB, optional
	Hard disk(2)	SATA 80, 160, 250, 400 GB, 7200 rpm;
		SCSI U320 73, 147, 300 GB, 10000 rpm, 73, 146 GB, 15000 rpm
Optical	ATAPI DVD 16/48, ATAPI CD RW / DVD combo 48/32/48/16 x, ATAPI DVD±R/±RW DL (8.5 GB) 2.4/5/4/8/8/10/16/10/24/32/40/16/40	
Chassis	External drive bay	1 x 3.5 inch (FDD), 3 x 5.25 inch
	Internal drive bay	4 x 3.5 inch (HDD)
Electrical	Power supply	310 W or 360 W, 100 - 240 V, 50 - 60 Hz
	Typical power consumption	150 W, depending on configuration
Ambience	Ambient temperature	15-35° C according to IEC 721
	Relative humidity	20-80% according to IEC 721
	Noise emission values	30 dB (A) idle mode, 30 dB (A) full operation mode; according to ISO 9296 (LpAm at bystander position); depending on configuration
	Dimensions (H x W x D)	385 x 205 x 504 mm
Standards	Weight	16 kg, depending on configuration
	Product safety	EN/IEC 60950, UL 60950, CSA 22.2-60950 GS EK1-ITB2000
	Ergonomics	GS EK1-ITB2001, TCO03
Security	Electromagnetic compatibility	EN55022 / CISPR22, EN55024 / CISPR24, EN61000-3-2/-3, CSA C108.8, IEC60601-1-2 (3), FCC class B 89/336/EEC (EMI), 73/23/EEC (product safety)
	CE mark	
	Cabinet security features	Cabinet lock, seal option, anti-theft function, Kensington lock support, intrusion detection, SmartCard reader optional
Manageability (4)	BIOS security features	Write protect for EEPROM, boot protection, system and setup password, password and disabling functions for many system components
	Component security features	S.M.A.R.T. SATA HDD, TPM optional
	DeskView 5.x DeskView 10.x	Desk Alert, DeskFlash, DeskInfo, DeskOff, DeskWoL, DeskView browser Client management
Accessories	Drivers and Utility CD	Manuals, drivers and utilities, DeskView, F-Secure virus scanner
	Mouse	Wheel mouse, optional: optical wheel mouse, SpaceMouse, SpacePilot

(1) In configurations with 4 GB and more the visible memory is reduced by 200-800 MB (depending on system configuration).

(2) 1 GB equals one billion bytes, when referring to hard disk drive capacity; accessible capacity may vary, also depending on used software and tools.

(3) In combination with an optional medical kit (includes mouse and requires keyboard KBPC SX compliant to EN60601-1-2 and owners guide), specially designed for CELSIUS M430, the system can be used also in medical environments.

(4) Configuration restrictions may apply