

Windows®. Life without Walls™.
Fujitsu recommends Windows 7.

DATASHEET

FUJITSU CELSIUS V840

WORKSTATION

YOUR ULTIMATE WORKSTATION

The CELSIUS V Series is the high-end workstation with unlimited performance. You need more performance, memory, data security and expandability than conventional dual-processor workstations can provide? Then the Ultra-High-End CELSIUS V series is right for you. The ISV certification process enables workstation users to run their preferred applications with the best possible performance and maximum system stability.

EXTREMELY POWERFUL WORKSTATIONS

Get more done in less time

- Fastest available processors, graphics and hard disk drives

NOISE-REDUCED SYSTEM

Silent working environment

- Optimized thermal management, low-noise chassis and silent fans

SERVICEABILITY

Minimum downtime if system failure

- Service-friendly system design

LEADING WORKSTATION APPLICATION CERTIFICATION

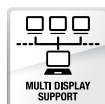
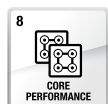
Maximum compatibility and performance with customer-preferred applications

- Full support for ISV applications and easy integration into existing IT environments

BUILT TO ORDER

Free configurability for all product lines

- Customer is given a system optimized for his requirements



COMPONENTS

PROCESSOR	AMD Opteron™ 2384 (2.7 GHz, 4 MB, [DDR2-800 only])
	AMD Opteron™ 2380 (2.5 GHz, 4 MB, [DDR2-800 only])
	AMD Opteron™ 2376 (2.3 GHz, 4 MB, [DDR2-800 only])
	AMD Opteron™ 2356 (2.3 GHz, 4 MB, [DDR2-667 only])
	AMD Opteron™ 2350 (2.0 GHz, 4 MB, [DDR2-667 only])
OPERATING SYSTEM	
Operating system optional preinstalled	Genuine Windows Vista® Business 64-bit Genuine Windows Vista® Business 32-bit
Operating system compatible	Genuine Windows® XP Professional x64 Edition Genuine Windows® XP Professional Linux
Operating system notes	Red Hat® certification pending Novell® certification pending For some configurations third party drivers are currently not available or configuration restrictions may apply.
MEMORY MODULES	
	2 GB (2 module(s) 1 GB) DDR2, ECC, 667 MHz, PC2-5300, DIMM
	2 GB (2 module(s) 1 GB) DDR2, ECC, 800 MHz, DIMM
	4 GB (2 module(s) 2 GB) DDR2, ECC, 667 MHz, PC2-5300, DIMM
	4 GB (2 module(s) 2 GB) DDR2, ECC, 800 MHz, DIMM
	8 GB (2 module(s) 4 GB) DDR2, ECC, 667 MHz, DIMM
	8 GB (2 module(s) 4 GB) DDR2, ECC, 800 MHz, DIMM
	16 GB (2 module(s) 8 GB) DDR2, ECC, 667 MHz, DIMM
GRAPHICS ADD ON CARDS (OPTIONAL)	
	Remote Graphics: CELSIUS RemoteAccess Card, PCIe x1, 2x DVI-I
	GPU computing card: NVIDIA® Tesla™ C1060, 4 GB, PCIe x16, -
	Ultra-high-end 3D: NVIDIA® Quadro® FX 5800, 4 GB, PCIe x16, 2x DL-DVI-I, DP
	Ultra-high-end 3D: NVIDIA® Quadro® FX 4800, 1.5 GB, PCIe x16, 2x DL-DVI-I, 2x DP
	High-end 3D: NVIDIA® Quadro® FX 3800, 1024 MB, PCIe x16, DL-DVI-I, 2x DP
	High-end 3D: ATI FirePro™ V7750, 1024 MB, PCIe x16, 2x DP, 1x DVI-I
	Midrange 3D: NVIDIA® Quadro® FX 1800, 768 MB, PCIe x16, DL-DVI-I, 2x DP
	Midrange 3D: NVIDIA® Quadro® FX 580, 512 MB, PCIe x16, DL-DVI-I, 2x DP
	Entry 3D: NVIDIA® Quadro® FX 380, 256 MB, PCIe x16, 2x DL-DVI-I
	Entry 3D: ATI FirePro™ V3700, 256 MB, PCIe x16, 2x DL-DVI-I
	Multi monitor 2D: NVIDIA® Quadro® NVS 440, 256 MB, PCIe x1, 4x SL DVI-I
	Professional 2D: NVIDIA® Quadro® NVS 295, 256 MB, PCIe x16, 2x DP
	Professional 2D: NVIDIA® Quadro® NVS 290, 256 MB, PCIe x16, 2x SL DVI-I
	Professional 2D: NVIDIA® Quadro® NVS 290, 256 MB, PCIe x1, 2x SL DVI-I

HARD DISK DRIVES (INTERNAL)	SSD SATA, 256 GB, 2.5-inch
	SSD SATA, 128 GB, 2.5-inch
	SATA III, 10000 rpm, 600 GB, 3.5-inch internal
	SATA II, 10000 rpm, 300 GB, 2.5-inch, S.M.A.R.T.
	SATA II, 10000 rpm, 150 GB, 2.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 2000 GB, 3.5-inch, S.M.A.R.T. business critical
	SATA II, 7200 rpm, 1000 GB, 3.5-inch, S.M.A.R.T. business critical
	SATA II, 7200 rpm, 1000 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 750 GB, 3.5-inch, S.M.A.R.T. business critical
	SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T. business critical
	SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 320 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 160 GB, 3.5-inch, S.M.A.R.T.
	HDD SAS, 15000 rpm, 600 GB, 3.5-inch internal
	HDD SAS, 15000 rpm, 450 GB, 3.5-inch
	HDD SAS, 15000 rpm, 300 GB, 3.5-inch
HDD SAS, 15000 rpm, 146 GB, 3.5-inch	
Hard disk notes	One Gigabyte equals one billion bytes, when referring to hard disk drive capacity.
DRIVES (OPTIONAL)	DVD
	MultiCard Reader 20in1, 3.5-Inch
INTERFACE ADD ON CARDS/COMPONENTS (OPTIONAL)	WLAN II, 802.11g, 54Mbps (Windows only)
	Gigabit Ethernet PCIe x1
	Dual serial card PCI
Base unit	CELSIUS V840
Mainboard type	D2533
Formfactor	AT03
Chipset	NVIDIA® nForce professional (3600 and 3050); NEC uPD720404 PCIe/PCI-X bridge
Processor socket	Socket F
Processor quantity maximum	2
Memory slots	8
Supported capacity RAM (max.)	64 GB
Memory notes	In configurations with 4 GB and more the visible memory may be reduced to approximately 3.5 GB or less (for 32-bit operating systems) and configurations with 8 GB the visible memory may be reduced to approximately 7.5 GB or less (depending on system configuration).
LAN	10/100/1000 MBit/s 2 x NVIDIA® LAN, 10/100/1000 Mbit/s ASF 2.0
Integrated WLAN	optional
Audio codec	Realtek ALC262
Audio features	High Definition audio
Fast IDE/Ultra DMA-100	
Serial ATA total	6
SATA RAID support	5
SAS Controller type	8
INTERFACES	
Audio: in (rear)	2
Audio: out / SPDIF (rear)	1
Front Audio: in	1
Front Audio: out	1
FireWire (IEEE1394) (front)	1
FireWire (IEEE1394) (rear)	1
Internal speakers	1

INTERFACES

USB 2.0 total	10
USB front	2
USB rear	6
USB internal	2
Serial (RS-232)	1 (9 pin)
Mouse / Keyboard (PS/2)	2
Ethernet (RJ-45)	2
Drive bays total	7
3.5-inch internal bays	4
5.25-inch external bays	3

Mini PCI slots

PCI-Express x16	2 x (350 mm) full height
PCI-Express x8	2 x (350 mm) full height
PCI-X (64 bit / 133 MHz)	2
PCI (32-bit / 33 MHz)	1 x (350 mm) full height

Power consumption note

Operating voltage range	100 - 240 V
Operating line frequency range	50 - 60 Hz
Max. output of single power supply	1000

Noise emission

Noise Operation mode 4: High load	28 dB
Idle mode	27 dB
Noise notes / description	depending on configuration

DIMENSIONS / WEIGHT / ENVIRONMENTAL

Dimensions (W x D x H)	215 x 620 x 446 mm
Weight	26 kg
Weight notes	Actual weight may vary depending on configuration
Operating ambient temperature	15 - 35°C
Operating relative humidity	10 - 75 %

COMPLIANCE

Product	CELSIUS V840-2
Model	MCL-D2533
Germany	GS
Europe	CE
USA/Canada	cCSAus FCC Class B
Global	RoHS (Restriction of hazardous substances)
Compliance link	https://sp.ts.fujitsu.com/sites/certificates/default.aspx
Physical security	Kensington Lock support Eye for padlock Optional: Integrated cabinet lock
System security	Write protect option for the Flash EPROM Boot protection for floppy disk / CD drive and write protection for floppy disk drive
User security	Optional: Access protection via internal SmartCard reader Hard disk password User and supervisor BIOS password Optional: SmartCase Logon+

Office software

Additional software (included as a CD/DVD)	Drivers & Utilities DVD (DUDVD) Windows Vista® Norton Internet Security (incl. Firewall)
Manageability features	DeskUpdate Driver management
Manageability type	DeskView 10

DeskView features	On/Offline remote client management Detailed system inventory management and reports BIOS Management Remote power management System notifications Security Remote Control DeskView Helpdesk Integration
Supported standards	WMI BootP (made4you) PXE
Manageability link	http://ts.fujitsu.com/manageability

WARRANTY

Standard Warranty	3 years (depending on country)
Service level	On-site Service (depending on country)

MAINTENANCE AND SUPPORT SERVICES - THE PERFECT EXTENSION

Recommended Service	5x9, Response Time: Next Business Day
Service Weblink	http://ts.fujitsu.com/Supportservice

FUJITSU PLATFORM SOLUTIONS

In addition to Fujitsu CELSIUS V840, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Dynamic Infrastructures

With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

Computing Products

www.fujitsu.com/global/services/computing/

Software

www.fujitsu.com/software/

MORE INFORMATION

Learn more about Fujitsu CELSIUS V840, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website. <http://ts.fujitsu.com/celsius>

FUJITSU GREEN POLICY INNOVATION

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT. Please find further information at <http://www.fujitsu.com/global/about/environment/>



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