

# DATA SHEET

## CELSIUS R550

Issue: November 2009

Your compact dual processor workstation

### CELSIUS R550

The CELSIUS R Series is a high-end dual-processor workstation with an extensive selection of graphics subsystems. The powerful CELSIUS R550 is ready to take on your greatest graphic challenges with the latest technology and best components available.

#### 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

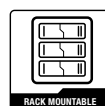
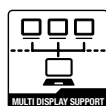
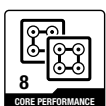
Maximum compatibility and performance with customer-preferred applications

- 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

### Graphics add on cards (optional)

Ultra-high-end 3D: NVIDIA® Quadro FX 5600, 1536 MB, PCIe x16, 2x DL-DVI-I
Ultra-high-end 3D: NVIDIA® Quadro FX 4800, 1.5 GB, PCIe x16, 2x DL-DVI-I, 2x DP
Ultra-high-end 3D: NVIDIA® Quadro FX 4600, 768 MB, PCIe x16, 2x DL-DVI-I
High-end 3D: NVIDIA® Quadro FX 3700, 512 MB, PCIe Gen2 x16, 2x DL-DVI-I
High-end 3D: ATI FireGL V7600, 512 MB, PCIe x16, 2x DL-DVI-I
Midrange 3D: NVIDIA® Quadro FX 1700, 512 MB, PCIe x16, 2x DL-DVI-I, HDTV-out
Midrange 3D: NVIDIA® Quadro FX 570, 256 MB, PCIe x16, 2x DL-DVI-I
Midrange 3D: ATI FireGL V5600, 512 MB, PCIe x16, 2x DL-DVI-I
Entry 3D: NVIDIA® Quadro FX 370, 256 MB, PCIe x16, DL-DVI-I, SL DVI-I
Multi monitor 2D: NVIDIA® Quadro NVS 440, 256 MB, PCIe x1, 4x SL DVI-I
Professional 2D: NVIDIA® Quadro NVS 290, 256 MB, PCIe x16, 2 x SL DVI-I

### Hard disk drives (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, 1000 GB, 3.5-inch, S.M.A.R.T. business critical
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, 160 GB, 3.5-inch, S.M.A.R.T.
SAS, 15000 rpm, 450 GB, 3.5-inch
SAS, 15000 rpm, 300 GB, 3.5-inch
SAS, 15000 rpm, 146 GB, 3.5-inch
SAS, 15000 rpm, 73 GB, 3.5-inch

### Hard disk notes

2.5-inch drives will be mounted in the 3.5-inch bays  
One Gigabyte equals one billion bytes, when referring to hard disk drive capacity.

### Drives (optional)

1.44 MB Floppy
Blu-ray Disc Triple Writer
DVD
DVD Super Multi

### Interface add on cards/components (optional)

WLAN III, 802.11g/Draft-n (Windows only)
WLAN II, 802.11g, 54Mbps (Windows only)
Gigabit Ethernet PCIe x1
FireWire PCI-Card IEEE1394
Dual serial card, PCI, EX-43092

### Base unit

**CELSIUS R550**

### Mainboard

Mainboard type	D2569
Formfactor	CEB
Chipset	Intel® 5400, Intel® 6321ESB I/O Controller Hub
Processor socket	LGA 771
Processor quantity maximum	2
Memory slots	4 FullyBuffered DIMM
Supported capacity RAM (max.)	16 GB
Memory notes	In configurations with 4 GB the visible memory may be reduced to approximately 3.5 GB or less (for 32 bit operating systems, depending on system configuration)
LAN	Built-in 10/100/1000 MBit/s Intel® 82564 EB
WLAN	optional
Audio codec	Realtek ALC888
Audio features	High Definition audio

### I/O controller on board

Fast IDE/Ultra DMA-100	1 port (for 2 drives)
Serial ATA total	6

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**I/O controller on board**

SATA RAID support	0, 1, 10, 5
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Audio: headphone out	
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Audio: in (rear)	2
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Audio: out (rear)	1
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Ethernet (RJ-45)	1
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FireWire (IEEE1394)	optional
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Front Audio: in	1
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Front Audio: out	1
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Internal speakers	1
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Mouse / Keyboard (PS/2)	2
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Serial (RS-232)	1 (9 pin)
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USB front	2
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USB internal	2
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USB rear	4
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USB 2.0 total	8
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**Drive bays**

Drive bays total	7
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3.5-inch internal bays	4
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5.25-inch external bays	3
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**Slots**

PCI-Express Gen2 x16	2 x (312 mm) full height
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PCI-Express x8	1 x (312 mm) full height
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PCI-X (64 bit / 133 MHz)	2 x (312 mm)
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PCI (32-bit / 33 MHz)	1 x (312 mm) full height
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Graphics brand name	
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Refresh rate 1024 x 768 (recommended / max.)	/
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Refresh rate 1280 x 1024 (recommended / max.)	/
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Refresh rate 1600 x 1200 (recommended / max.)	/
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Graphics notes	For some configurations third party drivers are currently not available or configuration restrictions may apply.
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**Electrical values**

Operating voltage range	100 - 240 V
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Operating line frequency range	50 - 60 Hz
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Max. output of power supply	700
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**Noise for standard configuration (HDD, ODD, FDD)**

Noise Operation mode 4: High load	25 dB
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Idle mode	24 dB
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Noise notes / description	depending on configuration
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Dimension (W x D x H)	215 x 520 x 446 mm
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Weight	20 kg
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Weight notes	Weight may vary depending on actual configuration
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Operating ambient temperature	15 - 35°C
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Operating relative humidity	10 - 75 %
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Product	CELSIUS R550
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Model	MCS-D2569
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Germany	GS
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Europe	CE
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USA/Canada	CSA FCC Class B
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Global	RoHS (Restriction of hazardous substances)
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## Security

Physical security	Kensington Lock support Eye for padlock
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+
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Operating system preinstalled	
Operating system optional preinstalled	Microsoft® Windows Vista® Business 64-bit Microsoft® Windows Vista® Business 32-bit
Operating system compatible	Microsoft® Windows® XP Professional x64 Edition Microsoft® Windows® XP Professional Linux
Operating system notes	RedHat / Novell certification pending For some configurations third party drivers are currently not available or configuration restrictions may apply.

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## Additional Software

Additional software (optional)	Recovery DVD (Windows Vista®) Windows® XP downgrade pack
Additional software (included as a CD/DVD)	Drivers & Utilities DVD (DUDVD) Windows Vista® Norton Internet Security (incl. Firewall)

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## Manageability

Manageability type	DeskView 10
Manageability link	<a href="http://ts.fujitsu.com/manageability">http://ts.fujitsu.com/manageability</a>

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## Input device / components

Input devices (optional)	Optical USB tilt wheel mouse Keyboard Optical USB/PS2 tilt wheel mouse Space Explorer USB Space Navigator USB Space Pilot USB
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## Warranty

Service level	(depending on country)
<b>Maintenance and Support Services - the perfect extension</b>	
Recommended Service	5x9, Response Time: Next Business Day
Service Weblink	<a href="http://ts.fujitsu.com/Supportservice">http://ts.fujitsu.com/Supportservice</a>

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<http://ts.fujitsu.com/aboutus>

Take back and Recycling information:

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