

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

DATASHEET

FUJITSU CELSIUS R570

WORKSTATION

YOUR COMPACT “POWERHOUSE” WORKSTATION

The CELSIUS R series is the dual-processor platform for the mid-range and high-end segment with a great selection of graphics subsystems. Energy efficiency and state-of-the-art microprocessor technology make this compact powerhouse the ideal solution for application areas, such as computer aided design, engineering, mechanical design, simulation, virtual reality, visualization, digital content creation and finance.

PERFORMANCE

Higher productivity

- High performance multi-core processors, hard disk drives and next generation graphics subsystems

ERGONOMICS

Quiet system for a pleasant working environment

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

RELIABILITY

System stability for the complete lifecycle

- High product standards thanks to top-quality components and comprehensive testing in certified in-house laboratories for 24/7 operation

CERTIFICATION OF WORKSTATION APPLICATIONS

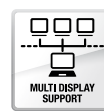
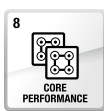
Stability, compatibility and performance for the main workstation applications

- Comprehensive support for ISV applications and ease of integration into existing IT networks

EXPANDABILITY

Excellent expandability for future demands

- Increased memory capacities of up to 48 GB



COMPONENTS

PROCESSOR	Intel® Xeon® processor X5570 (4C, 2.93 GHz, 8 MB, 6.4 GT/s)
	Intel® Xeon® processor X5560 (4C, 2.8 GHz, 8 MB, 6.4 GT/s)
	Intel® Xeon® processor X5550 (4C, 2.66 GHz, 8 MB, 6.4 GT/s)
	Intel® Xeon® processor L5530 (4C, 2.40 GHz, 8 MB, 5.86 GT/s)
	Intel® Xeon® processor L5520 (4C, 2.26 GHz, 8 MB, 5.86 GT/s)
	Intel® Xeon® processor L5506 (4C, 2.13 GHz, 4 MB, 4.8 GT/s)
	Intel® Xeon® processor E5540 (4C, 2.53 GHz, 8 MB, 5.86 GT/s)
	Intel® Xeon® processor E5530 (4C, 2.4 GHz, 8 MB, 5.86 GT/s)
	Intel® Xeon® processor E5520 (4C, 2.26 GHz, 8 MB, 5.86 GT/s)
	Intel® Xeon® processor E5506 (4C, 2.13 GHz, 4 MB, 4.8 GT/s)
	Intel® Xeon® processor E5504 (4C, 2.0 GHz, 4 MB, 4.8 GT/s)
	Intel® Xeon® processor E5502 (2C, 1.86 GHz, 4 MB, 4.8 GT/s)
OPERATING SYSTEM	
Operating system optional preinstalled	Genuine Windows® 7 Professional 64-bit Genuine Windows® 7 Professional 32-bit 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 Novell® certification For some configurations third party drivers are currently not available or configuration restrictions may apply.
MEMORY MODULES	
	8 GB (1 module(s) 8 GB) DDR3-SDRAM, registered, ECC, 1333 MHz, PC3-10600
	4 GB (1 module(s) 4 GB) DDR3-SDRAM, unbuffered, ECC, 1333 MHz, PC3-10600
	4 GB (1 module(s) 4 GB) DDR3-SDRAM, registered, ECC, 1333 MHz, PC3-10600
	2 GB (1 module(s) 2 GB) DDR3-SDRAM, unbuffered, ECC, 1333 MHz, PC3-10600
	2 GB (1 module(s) 2 GB) DDR3-SDRAM, registered, ECC, 1333 MHz, PC3-10600
	1 GB (1 module(s) 1 GB) DDR3-SDRAM, unbuffered, non-ECC, 1066 MHz, PC3-8500
	1 GB (1 module(s) 1 GB) DDR3-SDRAM, unbuffered, ECC, 1333 MHz, PC3-10600
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 295, 256 MB, PCIe x1, 2x DP
	Multi monitor 2D: 2nd NVIDIA® Quadro® NVS 295, 256 MB, PCIe x1, 2x DP
	Professional 2D: NVIDIA® Quadro® NVS 450, 512 MB, PCIe x16, 4 x DP
	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	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)	Blu-ray Disc™ Triple Writer	
	DVD-ROM	
	DVD Super Multi	
	MultiCard Reader 20in1, 3.5-Inch	
INTERFACE ADD ON CARDS/COMPONENTS (OPTIONAL)	WLAN III, 802.11g/Draft-n (Windows only)	
	Gigabit Ethernet PCIe x1	
	FireWire PCI-Card IEEE1394	
	eSATA Interface	
	Dual serial card PCI	
Base unit	CELSIUS R570 power	CELSIUS R570
MAINBOARD		
Mainboard type	D2628	
Formfactor	extended CEB	
Chipset	Intel® 5520, Intel® 82801JIR ICH10R	
Processor socket	LGA 1366	
Processor quantity maximum	2	
Memory slots	6 (3 per processor)	
Supported capacity RAM (max.)	48 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	Built-in 10/100/1000 MBit/s Realtek RTL8111	
Audio codec	Realtek ALC663	
Audio features	High Definition Audio	
I/O CONTROLLER ON BOARD		
Serial ATA total	6	
SATA RAID support	0, 1, 10, 5	
INTERFACES		
Audio: in (rear)	1	
Audio: out (rear)	2	
Front Audio: in	1	

INTERFACES

Front Audio: out	1
Internal speakers	1
USB 2.0 total	11
USB front	2
USB rear	6
USB internal	3, thereof 1 type A
Serial (RS-232)	1 (9 pin)
Mouse / Keyboard (PS/2)	1 / 1
Ethernet (RJ-45)	1
FireWire (IEEE1394)	optional
Interface Module notes	Anytime USB charge functionality

DRIVE BAYS

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

SLOTS

PCI-Express 2.0 x16	2 x (312 mm) full height
PCI-Express 1.0 x4 (mech. x8)	1 x (312 mm) full height
PCI-Express 2.0 x4 (mech. x8)	1 x (312 mm) full height
PCI (32-bit / 33 MHz)	2 x (312 mm) full height

Graphics brand name

Graphics notes	For some configurations third party drivers are currently not available or configuration restrictions may apply.	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	100 - 240 V
Operating line frequency range	50 - 60 Hz	50 - 60 Hz
Max. output of single power supply	1000 W up to 85% efficiency	700 W up to 85% efficiency

NOISE FOR STANDARD CONFIGURATION (HDD, ODD, FDD)

Noise emission	According to ISO9296
Noise Operation mode 4: High load	23 dB(A)
Idle mode	23 dB(A)
Office mode	23 dB(A)
Noise notes / description	depending on configuration

DIMENSIONS / WEIGHT / ENVIRONMENTAL

Dimensions (W x D x H)	215 x 522 x 446 mm
Weight	20 kg
Weight notes	Actual weight may vary depending on configuration
Operating ambient temperature	15 - 35°C
Operating relative humidity	10 - 75 %

COMPLIANCE

Product	CELSIUS R570 power	CELSIUS R570
Model	MCS-D2628	MCS-D2628
Germany	GS depending on configuration	GS depending on configuration
Europe	CE	CE
USA/Canada	cCSAus FCC Class B	cCSAus FCC Class B
Global	RoHS (EU & China) ENERGY STAR® 5.0 Medical EMC standard IEC60601-1-2 in combination with medical kit	RoHS (EU & China) ENERGY STAR® 5.0 Medical EMC standard IEC60601-1-2 in combination with medical kit
China	CCC	CCC

COMPLIANCE

Compliance link	https://sp.ts.fujitsu.com/sites/certificates/default.aspx	https://sp.ts.fujitsu.com/sites/certificates/default.aspx
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SECURITY

Physical security	Kensington Lock support Eye for padlock Optional: Integrated cabinet lock Intrusion switch Seal option
System security	Write protect option for the Flash EPROM Boot protection for floppy disk / CD drive and write protection for floppy disk drive Dynamic USB security for full hardware USB protection Control of all USB interfaces External USB ports can be disabled separately Embedded security (TPM 1.2) - Infineon
User security	Optional: Access protection via internal SmartCard reader User and supervisor BIOS password Optional: SmartCase Logon+

ADDITIONAL SOFTWARE

Additional software (optional)	Drivers & Utilities DVD (DUDVD) Windows® 7 & Vista & XP CyberLink PowerDVD 9 Nero 9 Essentials XL Recovery DVD (Windows® 7) Recovery DVD (Windows Vista®) Windows® XP 64 downgrade pack Windows® XP 32 downgrade pack
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MANAGEABILITY

Manageability features	DeskUpdate Driver management
Manageability type	DeskView 10.x client management including: DASH 1.1 remote system management
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

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

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 R570, 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 R570, 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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