

**WINDOWS®. LIFE WITHOUT WALLS™.**  
**FUJITSU RECOMMENDS WINDOWS 7.**

# DATASHEET

## FUJITSU CELSIUS M470-2 WORKSTATION

YOUR THOROUGHbred CREATIVE WORKSTATION

The CELSIUS M470-2 is the powerful workstation for video and demanding media applications. With a high-end Intel® Xeon® processor and an ultra-high-end NVIDIA® Quadro® graphics card, it offers exceptional power for software such as Encore, Flash Professional and Illustrator. It is the ideal choice for Adobe CS5 Design Premium and Production Premium.

OPTIMIZED FOR



**MULTI-CORE RENDERING**

Boost performance in video and 3D environments  
 ■ High performance multi-core Intel® Xeon® processor

**DYNAMIC LINK SUPPORT**

Work faster and stay in the creative flow  
 ■ 12 GB of RAM and native 64-bit operation

**MERCURY PLAYBACK ENGINE**

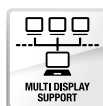
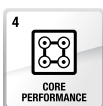
Edit and preview video in realtime  
 ■ GPU accelerated performance with NVIDIA® Quadro® graphics card

**HIGH BANDWIDTH PERFORMANCE**

View and edit large files with ease  
 ■ High-speed SATA RAID array

**EXTENSIVE STORAGE**

All the capacity you need for high-resolution video and media  
 ■ 2 TB as standard, with room for additional hard disks



# COMPONENTS

<b>PROCESSOR</b>	Intel® Xeon® processor W3550 (4C, 3.06 GHz, 8 MB, 4.8 GT/s)
<b>OPERATING SYSTEM</b>	Microsoft® Windows® 7 Professional 64-bit
<b>MEMORY MODULES</b>	12 GB (6 modules 2 GB) DDR3, ECC, 1333 MHz, PC3-10600
<b>GRAPHICS ADD ON CARD</b>	Ultra-high-end 3D: NVIDIA® Quadro® FX 4800, 1.5 GB, PCIe x16, 2x DL-DVI-I, 2x DP
<b>HARD DISK DRIVES (INTERNAL)</b>	2 x SATA II, 7200 rpm, 1000 GB, 3.5-inch, S.M.A.R.T.
<b>Hard disk notes</b>	One Gigabyte equals one billion bytes, when referring to hard disk drive capacity.
<b>OPTICAL DISK DRIVE</b>	DVD Super Multi
<b>Base unit</b>	CELSIUS M470-2
<b>MAINBOARD</b>	
<b>Mainboard type</b>	D2778
<b>Formfactor</b>	ATX
<b>Chipset</b>	Intel® X58 Express, Intel® 82801JR ICH10R
<b>Processor socket</b>	LGA 1366
<b>Processor quantity maximum</b>	1
<b>Memory slots</b>	6 DIMM
<b>Supported capacity RAM (max.)</b>	48 GB
<b>LAN</b>	Built-in 10/100/1000 MBit/s Realtek RTL8111
<b>Audio codec</b>	Realtek ALC663
<b>Audio features</b>	High Definition Audio
<b>I/O CONTROLLER ON BOARD</b>	
<b>Serial ATA total</b>	6
<b>thereof eSATA</b>	1, optional
<b>SATA RAID support</b>	0, 1, 10, 5
<b>INTERFACES</b>	
<b>Audio: in (rear)</b>	1
<b>Audio: out / SPDIF (rear)</b>	2 / 1
<b>Front Audio: in</b>	1
<b>Front Audio: out</b>	1
<b>FireWire (IEEE1394) (front)</b>	1
<b>FireWire (IEEE1394) (rear)</b>	1
<b>Internal speakers</b>	1
<b>USB 2.0 total</b>	11
<b>USB front</b>	2
<b>USB rear</b>	6
<b>USB internal</b>	3, thereof 1 type A
<b>Serial (RS-232)</b>	1
<b>Mouse / Keyboard (PS/2)</b>	1 / 1
<b>Ethernet (RJ-45)</b>	1
<b>Parallel</b>	Optional
<b>Interface Module notes</b>	Anytime USB charge functionality
<b>DRIVE BAYS</b>	
<b>Drive bays total</b>	7
<b>3.5-inch internal bays</b>	4
<b>5.25-inch external bays</b>	3
<b>SLOTS</b>	
<b>PCI-Express 2.0 x16</b>	2 x (312 mm) full height
<b>PCI-Express 1.0 x4 (mech. x8)</b>	1 x (312 mm) full height
<b>PCI-Express 2.0 x4 (mech. x8)</b>	1 x (312 mm) full height

<b>SLOTS</b>	
<b>PCI (32-bit / 33 MHz)</b>	2 x (312 mm) full height
<b>ELECTRICAL VALUES</b>	
<b>Power consumption note</b>	190 W depending on configuration
<b>Rated voltage range</b>	100 - 240 V
<b>Rated frequency range</b>	50 - 60 Hz
<b>Max. output of single power supply</b>	500 W up to 85% efficiency
<b>NOISE FOR STANDARD CONFIGURATION (HDD, ODD, FDD)</b>	
<b>Noise emission</b>	According to ISO9296 (LpAm at bystander position)
<b>Idle mode</b>	23 dB(A)
<b>Office mode</b>	23 dB(A)
<b>Noise notes / description</b>	depending on configuration
<b>DIMENSIONS / WEIGHT / ENVIRONMENTAL</b>	
<b>Dimensions (W x D x H)</b>	215 x 522 x 446 mm
<b>Operating position</b>	Vertical / horizontal
<b>Weight</b>	18 kg
<b>Weight notes</b>	Actual weight may vary depending on configuration
<b>Operating ambient temperature</b>	15 - 35°C
<b>Operating relative humidity</b>	10 - 75 %
<b>COMPLIANCE</b>	
<b>Product</b>	CELSIUS M470-2
<b>Model</b>	MCS-D2778
<b>Germany</b>	GS depending on configuration Blauer Engel / Blue Angel
<b>Europe</b>	CE
<b>USA/Canada</b>	cCSAus FCC Class B
<b>Global</b>	RoHS (EU & China) ENERGY STAR® 5.0 Medical EMC standard IEC60601-1-2 in combination with medical kit
<b>China</b>	CCC
<b>Compliance link</b>	<a href="https://sp.ts.fujitsu.com/sites/certificates/default.aspx">https://sp.ts.fujitsu.com/sites/certificates/default.aspx</a>
<b>SECURITY</b>	
<b>Physical security</b>	Kensington Lock support Eye for padlock Seal option Intrusion switch Optional: Integrated cabinet lock
<b>System security</b>	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 interfaces detachable separately Embedded security (TPM 1.2) - Infineon
<b>User security</b>	Optional: Access protection via internal SmartCard reader User and supervisor BIOS password Optional: SmartCase Logon+
<b>OPERATING SYSTEM</b>	
<b>Operating system compatible</b>	Microsoft® Windows® 7 Professional 64-bit Microsoft® Windows® 7 Professional 32-bit Microsoft® Windows® XP Professional x64 Edition Microsoft® Windows® XP Professional Linux
<b>Operating system notes</b>	Red Hat® certification pending Novell® certification pending For some configurations third party drivers are currently not available or configuration restrictions may apply.

**ADDITIONAL SOFTWARE**

<b>Additional software (optional)</b>	Drivers & Utilities DVD (DUDVD) Windows® 7 & Vista & XP CyberLink PowerDVD 9 Nero 9 Essentials XL Recovery DVD (Windows® 7) Windows® XP 64 downgrade pack Windows® XP 32 downgrade pack
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Keyboard on (Fujitsu keyboard required)  
Thermal management

<b>Spare part availability</b>	5 years
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**MANAGEABILITY**

<b>Manageability features</b>	DeskUpdate Driver management
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<b>Manageability type</b>	DeskView 10.x client management including: DASH 1.1 remote system management
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<b>DeskView features</b>	On/Offline remote client management Detailed system inventory management and reports BIOS Management Remote power management System notifications Security Remote Control DeskView Helpdesk Integration
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<b>Supported standards</b>	WMI BootP (made4you) PXE
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<b>Manageability link</b>	<a href="http://ts.fujitsu.com/manageability">http://ts.fujitsu.com/manageability</a>
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**INPUT DEVICE / COMPONENTS**

	Keyboard Optical USB tilt wheel mouse
<b>Input devices (optional)</b>	Optical USB/PS2 tilt wheel mouse Space Explorer USB Space Navigator USB Space Pilot USB Keyboard

**WARRANTY**

<b>Standard Warranty</b>	3 years (depending on country)
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<b>Service level</b>	On-site Service (depending on country)
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**MAINTENANCE AND SUPPORT SERVICES - THE PERFECT EXTENSION**

<b>Recommended Service</b>	5x9, Response Time: Next Business Day
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<b>Service Weblink</b>	<a href="http://ts.fujitsu.com/Supportservice">http://ts.fujitsu.com/Supportservice</a>
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**FUJITSU PLATFORM SOLUTIONS**

In addition to Fujitsu CELSIUS M470, 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/](http://www.fujitsu.com/global/services/computing/)

**Software**

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

**MORE INFORMATION**

Learn more about Fujitsu CELSIUS M470, 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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