

Fujitsu recommends Windows 11 Pro.

# Data Sheet

## Fujitsu Workstation CELSIUS M7010X

### Bring Your Ideas To Life

At Fujitsu, we are proud of our engineering capabilities which allowed us to optimize the CELSIUS M7010X to combat today's professional and technical challenges making it the ideal desktop workstation for computer-aided engineering area as well as demanding media & entertainment applications.

#### Performance you can count on

Spectrum of performance due to a wide range of professional grade features

- Powerful Intel® Core™ X-series processor family
- Support of Windows 11 Pro
- Support of up to 256 GB DDR4 2,933 memory
- Fujitsu SSD PCIe card (up to 2 x 2 TB)

#### Dual GPU, VR-ready workstation

Enjoy a fully immersive and real-time virtual reality experience with low latency at high frame rates

- Intel® Core™ vPro® processors with up to 4.60 GHz frequency
- Professional graphics cards from AMD and NVIDIA (up to AMD Radeon™ Pro WX 3200 and NVIDIA RTX™ A6000)
- Support for NVIDIA® NVLink™ technology – inter-GPU communication protocol, which makes it perfect for scientific and high-end renderings

#### Ultimate reliability, usability and innovative design

Quality you can trust

- Built for 24/7 operations with reliable top-quality components
- Intelligent tri-channel thermal management
- Cable-free design and green touchpoints
- Cold-plug technology: Storage accessible via a front disk tray

#### Robust security

Human centric innovation meets security

- Optional security lock (side door and front access)
- Intrusion detector sensor integrated into the power supply
- USB keyboard with integrated PalmSecure™: Easy log-on with the help of your palm veins frame rates



# Components

	CELSIUS M7010X (S26361-K1507-V465)	CELSIUS M7010Xpower (S26361-K1507-V565)
<b>Processor</b>		
<b>Operating systems</b>		
Operating system pre-installed	Windows 10 Pro. Fujitsu recommends Windows 11 Pro for business.	
Operating system compatible	FREE Upgrade to Windows 11* *Upgrade timing may vary by device. Features and app availability may vary by region. Certain features require specific hardware (see aka.ms/windows11-spec).	
Operating system notes	Windows 11 requires for first device setup: - Internet connectivity - Microsoft account for Home editions or organizational account (e.g. ADD) for Pro editions After product end of life, Fujitsu continues to test and support new Windows releases for max. 5 years, depending on extension of hardware services through warranty top ups. For more details please visit our Fujitsu Service Statement under <a href="https://support.ts.fujitsu.com/IndexProdSupport.asp?lng=com&amp;OpenTab=">https://support.ts.fujitsu.com/IndexProdSupport.asp?lng=com&amp;OpenTab=</a>	
	CELSIUS M7010X (S26361-K1507-V465)	CELSIUS M7010Xpower (S26361-K1507-V565)
<b>Memory modules</b>		
	CELSIUS M7010X (S26361-K1507-V465)	CELSIUS M7010Xpower (S26361-K1507-V565)
<b>Graphics</b>	High-end 3D: NVIDIA® Quadro® RTX 4000, 8 GB, PCIe x16, 3 x DisplayPort, 1 x Virtual Link	Ultra-high-end 3D: NVIDIA® RTX™ A6000, 48 GB, PCIe x16, 4 x DisplayPort
	Entry 3D: NVIDIA® Quadro® P1000, 4 GB, PCIe x16, 4 x miniDP Others: MiniDP to DP Adapter Cable Others: DP to DVI-D (single link) Adapter Cable	Ultra-high-end 3D: NVIDIA® RTX™ A5000, 24 GB, PCIe x16, 4 x DisplayPort High-end 3D: NVIDIA® RTX™ A4500, 20 GB, PCIe x16, 4 x DisplayPort High-end 3D: NVIDIA® Quadro® RTX 4000, 8 GB, PCIe x16, 3 x DisplayPort, 1 x Virtual Link Entry 3D: NVIDIA® Quadro® P1000, 4 GB, PCIe x16, 4 x miniDP Others: MiniDP to DP Adapter Cable Others: DP to DVI-D (single link) Adapter Cable
	CELSIUS M7010X (S26361-K1507-V465)	CELSIUS M7010Xpower (S26361-K1507-V565)
	CELSIUS M7010X (S26361-K1507-V465)	CELSIUS M7010Xpower (S26361-K1507-V565)
<b>Hard disk drive</b>		
<b>Hard disk drive</b>	HDD SATA III, 7,200 rpm, 2,000 GB, 3.5-inch	
	HDD SATA III, 7,200 rpm, 2,000 GB, 3.5-inch, business critical	
	HDD SATA III, 7,200 rpm, 4,000 GB, 3.5-inch, business critical	
	SSD PCIe, 1024 GB M.2 NVMe Highend module	
	SSD PCIe, 1x 2048 GB M.2 NVMe Highend card	
	SSD PCIe, 1x 512 GB M.2 NVMe Highend card	
	SSD PCIe, 1x1024 GB M.2 NVMe Highend card	
	SSD PCIe, 2048 GB M.2 NVMe Highend module	
	SSD PCIe, 256 GB M.2 NVMe Highend module	
	SSD PCIe, 2x 1024 GB M.2 NVMe Highend card	
	SSD PCIe, 2x 2048 GB M.2 NVMe Highend card	
	SSD PCIe, 2x 512 GB M.2 NVMe Highend card	
	SSD PCIe, 512 GB M.2 NVMe Highend module	
	One Gigabyte equals one billion bytes, when referring to hard disk drive capacity.	
	24/7 ready (Business Critical HDDs or SAS HDDs or High Endurance SSDs required)	
	Up to 20 GB of HDD space is reserved for system recovery	
	SED (Self-Encrypting Drive)	
	SSD (Solid State Disk)	
	CELSIUS M7010X (S26361-K1507-V465)	CELSIUS M7010Xpower (S26361-K1507-V565)
<b>Optical drive</b>		
<b>Optical drive</b>	MultiCard Reader 24in1 USB 2.0 3.5", USB 2.0	
	DVD Super Multi, SATA	
	DVD Super Multi ultra slim (tray), SATA	
	BD Triple Writer SATA ultra slim (tray), SATA	

	CELSIUS M7010X (S26361-K1507-V465)	CELSIUS M7010Xpower (S26361-K1507-V565)
Interfaces add on cards / components	WLAN 802.11ac (2x2) PCIe x1 and BT 5, SRD 5.8GHz (dedicated regions only) Dual serial card PCIe x1	
	CELSIUS M7010X (S26361-K1507-V465)	CELSIUS M7010Xpower (S26361-K1507-V565)

## Base unit

Base unit	CELSIUS M7010X (S26361-K1507-V465)	CELSIUS M7010Xpower (S26361-K1507-V565)
Mainboard		
Mainboard type	D3498-U2	
Formfactor	extended ATX	
Chipset	Intel® X299	
Processor socket	Socket R4	
Processor quantity maximum	1	
Supported capacity RAM (max.)	256 GB	
Memory slots	8 DIMM (DDR4)	
Memory frequency	2,933 MT/s	
Memory notes	4 memory channels supporting up to 2 DIMMs per channel. For quad channel, a minimum of 4 memory modules have to be ordered and the capacity per channel has to be the same. DDR4 2,933MHz may be clocked down to 2,666 or 2,400 or 2,133 depending on the processor.	
LAN	10/100/1,000 MBit/s Intel® I219LM	
BIOS version	AMI Aptio V	
BIOS features	BIOS Flash EPROM update by software Recovery BIOS Unified Extensible Firmware Interface (UEFI)	
Audio type	On board	
Audio codec	Realtek ALC671	
Audio features	High Definition Audio	
I/O controller on board		
Serial ATA total	8	
thereof SATA III	8	
thereof eSATA		
Controller functions	Serial ATA III (6 Gbit) NCQ AHCI RAID 0/1/5/10	
Interfaces		
Audio: in (rear)	1	1
Audio: out (rear)	1	1
Audio: in	1	1
Audio: out	1	1
Internal speakers	1	1
USB 2.0 total	2 optional via front panel	2 optional via front panel
USB 3.1 Gen1 (USB 3.0) total	6	6
USB 3.1 Gen2 total	2 optional via front panel	2 optional via front panel
USB front	2x USB 2.0; 2x USB 3.1 (Gen1); optional: 2x USB 3.1 Type-C (Gen2) instead of 2x USB 2.0	2x USB 2.0; 2x USB 3.1 (Gen1); optional: 2x USB 3.1 Type-C (Gen2) instead of 2x USB 2.0
USB rear	6	6
USB internal	3, thereof 1 type A	3, thereof 1 type A
Ethernet (RJ-45)	1	1

**Interfaces**

eSATA	1 (optional)	1 (optional)
Interface Module notes	Anytime USB charge functionality	Anytime USB charge functionality

**Drive bays**

Drive bays total	7
2.5-inch internal bays	4
3.5-inch internal bays	4
3.5-inch external bays	1
5.25-inch external bays	1
Drive bay notes	Total 4x 3.5-inch/2.5-inch Disk Tray front accessible (with Cold-plug access)
M.2-2280	1 x on mainboard (for PCIe SSD modules)

**Slots**

PCI-Express 3.0 x1	2 x (340 mm / 13.39 inch) Full height	
PCI-Express 3.0 x4	2 x (340 mm / 13.39 inch) Full height	
PCI-Express 3.0 x4 (mech. x8)	1 x (200 mm / 7.87 inch) Full height	
PCI-Express 3.0 x16	2 x (340 mm / 13.39 inch) Full height	
Base unit	CELSIUS M7010X (S26361-K1507-V465)	CELSIUS M7010Xpower (S26361-K1507-V565)

**Electrical values**

Power consumption note	225 W depending on configuration	400 W depending on configuration
Rated voltage range	100 V - 240 V	100 V - 240 V
Rated frequency range	50 Hz - 60 Hz	50 Hz - 60 Hz
Operating voltage range	90 V - 264 V	90 V - 264 V
Operating line frequency range	47 Hz - 63 Hz	47 Hz - 63 Hz
Max. output of single power supply	450 W up to 90% efficiency	Continuous main output power - 800 W (up to 90% efficiency) Peak main output power - 1080 W for max. duration of 10ms
Power factor correction/active power	active	active
Power supply output	2 graphics power rails (on Mainboard)	2 graphics power rails (on Mainboard)
Base unit	CELSIUS M7010X (S26361-K1507-V465)	CELSIUS M7010Xpower (S26361-K1507-V565)

**Noise for standard configuration (HDD, ODD)**

Related Processors for noise	140W Thermal Design Power (TDP) Processor
Standard noise emission	According to ISO 7779:2010, ECMA-74
Standard noise notes / description	A-weighted sound power level L <sub>wad</sub> (in B) / Workplace related A-weighted sound pressure level L <sub>pAm</sub> (in dB(A))
Standard noise operation mode: CPU 50% load	3.6 B / 20 dB(A) Bystander position
Standard noise operation mode: CPU 90% load	3.7 B / 20 dB(A) Bystander position
Standard noise operation mode: HDD load	3.5 B / 19 dB(A) Bystander position
Standard noise operation mode: Idle mode	3.5 B / 19 dB(A) Bystander position
Standard noise operation mode: ODD load	4.5 B / 28 dB(A) Bystander position
Standard noise operation mode: Office applications 2.0	3.7 B / 21 dB(A) Bystander position

**Dimensions / Weight / Environmental**

Dimensions (W x D x H)	176 x 500 x 433 mm 6.9 x 19.7 x 17.1 inch
Operating position	Vertical / horizontal
Weight	approx. 18 kg
Weight (lbs)	approx. 39.67 lbs

**Dimensions / Weight / Environmental**

Weight notes	Actual weight may vary depending on configuration
Operating ambient temperature	10 - 35 °C (50 - 95 °F)
Operating relative humidity	5 - 85 % (relative humidity)

**Compliance**

Product	CELSIUS M7010X	CELSIUS M7010Xpower
Model	CM17	
Germany	GS depending on configuration	
Europe	CE	
USA/Canada	FCC Class B cCSAus	
Global	RoHS (EU & China) Microsoft Operating Systems (HCT / HCL entry / WHQL) WEEE (Waste electrical and electronic equipment)	
Compliance notes	Product Name maybe followed by suffixes	
Compliance link	<a href="https://sp.ts.fujitsu.com/sites/certificates">https://sp.ts.fujitsu.com/sites/certificates</a>	

**Additional Software**

Additional software (preinstalled)	McAfee® LiveSafe™ (provides award-winning antivirus protection for your PC and much more. 30 days trial pre-installed) Microsoft Office (1 month trial for new Microsoft® Office 365 customers. Buy Microsoft Office.)
Additional software (optional)	Recovery DVD for Windows® Drivers & Utilities DVD (DUDVD) CyberLink PowerDVD BD (playback software for Blu-ray Disc™) CyberLink PowerDVD DVD (playback software for DVD) Nero Essentials XL
Additional software (notes)	Use of accompanying and/or additional Software is subject to proactive acceptance of the respective License Agreements /EULAs/ Subscription and support terms of the Software manufacturer as applicable for the relevant Software whether preinstalled or optional. The software may only be available bundled with a software support subscription which – depending on the Software - may be subject to separate remuneration.
Supported ISV Applications	AllPlan GmbH - AllPlan¹ Dassault Systèmes® CATIA™¹ Dassault Systèmes® SOLIDWORKS®¹ PTC® Creo®¹ Siemens Digital Industries - NX¹ Siemens Digital Industries - Solid Edge¹ Adobe® After Effects®² Adobe® Dreamweaver®² Adobe® Illustrator®² Adobe® InDesign®² Adobe® Photoshop®² Adobe® Premiere® Pro² Autodesk® AutoCAD®² Autodesk® Inventor®² Autodesk® Maya®² Autodesk® Revit®² Autodesk® VRED®² Bentley OpenComms™ Designer²
Supported ISV Applications (notes)	¹System certification (for selected configurations) ²ISV support given via usage of certified graphic card Please refer to the ISV documentation ( <a href="https://sp.ts.fujitsu.com/dmsp/Publications/public/wp-FUJITSU-Workstation-CELSIUS-ISV-overview.pdf">https://sp.ts.fujitsu.com/dmsp/Publications/public/wp-FUJITSU-Workstation-CELSIUS-ISV-overview.pdf</a> ) for further details and current status on system ISV certifications.
Base unit	CELSIUS M7010X (S26361-K1507-V465) CELSIUS M7010Xpower (S26361-K1507-V565)

**Security**

Physical Security	Kensington Lock support Eye for padlock Intrusion switch Integrated cabinet lock (optional)
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<b>Security</b>	
System and BIOS Security	Embedded security (TPM 2.0) Boot sector virus protection Write protect option for the Flash EPROM Control of all USB interfaces External USB ports can be disabled separately Control of external interfaces
User Security	User and supervisor BIOS password Hard disk password Access protection via external SmartCard reader (optional) Access protection via internal SmartCard reader (optional)
Workplace Embedded Tools	Auto BIOS Update via Fujitsu Server Auto BIOS Update via customer server (optional) Easy PC Protection (optional)
Security Notes	The properties of the product provide a baseline for product security and therefore end-customer IT security. However, these properties are not sufficient on their own to protect the product from all existing threats, such as intrusion attempts, data exfiltration and other forms of cyberattacks. To customize security settings, please use the configuration options as available for the respective product. During operation, the IT security of this product is within the responsibility of the respective administrator/end-user of the product. Please note, that Fujitsu as a manufacturer does not make any policy prescriptions or advocacy statements regarding IT security best practices and/or general product operation.
<b>Manageability</b>	
Manageability technology	DeskUpdate Driver management iAMT 11.6 (depending on processor) PXE 2.1 Boot code Wake up from S5 (off mode) Intrusion switch (optional) WoL (Wake on LAN)
Manageability software	DeskView Client DeskView Instant BIOS Management
DeskView components	Inventory Management BIOS Management Driver Management Security Management Alarm Management
Supported standards	WMI (Windows Management Instrumentation) PXE (Preboot Execution Environment) DMI (Desktop Management Interface) SMBIOS (System Management BIOS) WBEM (Web Based Enterprise Management) CIM (Common Information Model)
Manageability link	<a href="https://www.fujitsu.com/global/products/computing/pc/manageability/">https://www.fujitsu.com/global/products/computing/pc/manageability/</a>
<b>Miscellaneous</b>	
	Rack mountable (4U)
Spare part availability	5 years
<b>Packaging information</b>	
Packaging notes	printed user documentation is bleached in chlorine free process
<b>Warranty</b>	
Warranty type	Bring-In / Onsite Service (for countries within region EMEA, for all other countries depending on local regulations)
Warranty Terms & Conditions	<a href="http://www.fujitsu.com/warranty">http://www.fujitsu.com/warranty</a>
Digital bug fixes	Subject to availability and following their generic release for the product, bug fixes and function-preserving patches for product-related software (firmware) can be downloaded from the technical support at: <a href="https://support.ts.fujitsu.com/">https://support.ts.fujitsu.com/</a> free of charge by entering the respective product serial number. For application software supplied together with the product, please directly refer to the support websites of the respective software manufacturer.
<b>Product Support - the perfect extension</b>	
Service Weblink	<a href="http://www.fujitsu.com/emeia/products/product-support-services/">http://www.fujitsu.com/emeia/products/product-support-services/</a>

# Recommended Accessories

SpaceMouse Pro



Using the SpaceMouse™ Pro 3D mouse to navigate 3D models or environments is as simple as holding them in your hand. A slight movement of the controller cap delivers easy and precise control. SpaceMouse™ Pro is a companion to the traditional mouse and is operated with the free hand. Your traditional mouse hand is free to select, create and edit.

Order Code:  
S26381-K459-L100

# More information

## Fujitsu products, solutions & services

In addition to the Fujitsu Workstation CELSIUS M7010X, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

**Fujitsu Portfolio**  
Build on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

**Computing Products**  
[www.fujitsu.com/global/products/computing/](http://www.fujitsu.com/global/products/computing/)

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

## More information

Learn more about the Fujitsu Workstation CELSIUS M7010X, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.  
[www.fujitsu.com/emeia/CELSIUS](http://www.fujitsu.com/emeia/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 contribute to the creation of a sustainable environment for future generations through IT. Please find further information at <http://www.fujitsu.com/global/about/environment>



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