

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)
Processor	Intel® Core™ i9-10940X processor (14 Cores / 28 Threads, 3.30 GHz, up to 4.6 GHz, 19.25 MB) Intel® Core™ i9-10920X processor (12C/24T, 3.50 GHz, up to 4.6 GHz, 19.25 MB) Intel® Core™ i9-10900X processor (10 Cores / 20 Threads, 3.70 GHz, up to 4.5 GHz, 19.25 MB) Intel® Core™ i9-10980XE Extreme processor (18 Cores / 36 Threads, 3.00 GHz, up to 4.6 GHz, 24.75 MB)	
Operating systems		
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 https://support.ts.fujitsu.com/IndexProdSupport.asp?lng=com&OpenTab=	
	CELSIUS M7010X (S26361-K1507-V465)	CELSIUS M7010Xpower (S26361-K1507-V565)
Memory modules	16 GB (1 module(s) 16 GB) DDR4, unbuffered, non-ECC, 2,933 MT/s, UDIMM 32 GB (1 module(s) 32 GB) DDR4, unbuffered, non-ECC, 2,933 MT/s, UDIMM	
	CELSIUS M7010X (S26361-K1507-V465)	CELSIUS M7010Xpower (S26361-K1507-V565)
Graphics	High-end 3D: NVIDIA® Quadro® RTX 4000, 8 GB, PCIe x16, 3 x DisplayPort, 1 x Virtual Link High-end 3D: NVIDIA RTX™ A4000, 16 GB, PCIe x16, 4 x DisplayPort Midrange 3D: NVIDIA® Quadro® P2200, 5 GB, PCIe x16, 4 x DisplayPort Midrange 3D: NVIDIA RTX™ A2000, 6 GB, PCIe x16, 4 x DisplayPort Midrange 3D: NVIDIA RTX™ A2000, 6 GB, PCIe x16, 4 x DisplayPort Entry 3D: NVIDIA® T600, 4 GB, PCIe x16, 4 x miniDP Entry 3D: NVIDIA® T400, 2 GB, PCIe x16, 3 x miniDP Entry 3D: NVIDIA® T1000, 4 GB, PCIe x16, 4 x miniDP Entry 3D: NVIDIA® Quadro® P1000, 4 GB, PCIe x16, 4 x miniDP Entry 3D: AMD Radeon™ Pro WX 3200, 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® Quadro® RTX 6000, 24 GB, PCIe x16, 4 x DisplayPort, 1 x Virtual Link Ultra-high-end 3D: NVIDIA® Quadro® P6000, 24 GB, PCIe x16, 1 x Dual Link DVI-D, 4 x DisplayPort Ultra-high-end 3D: NVIDIA RTX™ A5000, 24 GB, PCIe x16, 4 x DisplayPort Ultra-high-end 3D: NVIDIA RTX A6000, 48 GB, PCIe x16, 4 x DisplayPort High-end 3D: NVIDIA® Quadro® RTX 4000, 8 GB, PCIe x16, 3 x DisplayPort, 1 x Virtual Link High-end 3D: NVIDIA RTX™ A4000, 16 GB, PCIe x16, 4 x DisplayPort High-end 3D: NVIDIA RTX A4500, 20 GB, PCIe x16, 4 x DisplayPort Midrange 3D: NVIDIA® Quadro® P2200, 5 GB, PCIe x16, 4 x DisplayPort Midrange 3D: NVIDIA RTX™ A2000, 6 GB, PCIe x16, 4 x DisplayPort Midrange 3D: NVIDIA RTX™ A2000, 6 GB, PCIe x16, 4 x DisplayPort Entry 3D: NVIDIA® T600, 4 GB, PCIe x16, 4 x miniDP Entry 3D: NVIDIA® T400, 2 GB, PCIe x16, 3 x miniDP Entry 3D: NVIDIA® T1000, 4 GB, PCIe x16, 4 x miniDP Entry 3D: NVIDIA® Quadro® P1000, 4 GB, PCIe x16, 4 x miniDP Entry 3D: AMD Radeon™ Pro WX 3200, 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)
Hard disk drive	HDD SATA III, 7,200 rpm, 1,000 GB, 2.5-inch, business critical HDD SATA III, 7,200 rpm, 1,000 GB, 3.5-inch HDD SATA III, 7,200 rpm, 2,000 GB, 2.5-inch, business critical 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 SSD SATA III, 480 GB High Endurance, 1.5DWDP, 2.5-inch SSD SATA III, 960 GB High Endurance, 1.5DWDP, 2.5-inch	
Mass storage 3.5 inch size	HDD SATA III, 7,200 rpm, 8000 GB, 3.5-inch, business critical	
Hard disk notes	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)
Optical drive	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	

Mainboard

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
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

Electrical values

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 Lwad (in B) / Workplace related A-weighted sound pressure level LpAm (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	
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) ENERGY STAR® 7.0 compliant	
China	CCC (depending on configuration) TPM 2.0 for China (optional)	
Compliance notes	Product Name maybe followed by suffixes	
Compliance link	https://sp.ts.fujitsu.com/sites/certificates	

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.)
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Miscellaneous

Spare part availability 5 years

Packaging information

Packaging notes printed user documentation is bleached in chlorine free process

Warranty

Warranty type Bring-In / Onsite Service (for countries within region EMEA, for all other countries depending on local regulations)

Warranty Terms & Conditions <http://www.fujitsu.com/warranty>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: <https://support.ts.fujitsu.com/> 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.**Product Support - the perfect extension**Service Weblink <http://www.fujitsu.com/emeia/products/product-support-services/>

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/

Software

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

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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Please note that the data sheet reflects the technical specification with the maximum selection of components for the named system and not the detailed scope of delivery. The scope of delivery is defined by the selection of components at the time of ordering.

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The overall product has been designed and manufactured for general office use, regular personal use and ordinary industrial use.

Contact

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