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Fujitsu recommends Windows 11 Pro.

Data Sheet
Fujitsu Workstation CELSIUS M7010

Bring Your Ideas To Life

Looking for a true workhorse to speed up your creative and engineering workflows? The CELSIUS M7010 is designed to help power users achieve next level of performance and reliability by enabling them design products, build complex 3D models, run simulations, create & visualize digital content. It is a highly expandable VR ready workstation optimized for demanding CAD, CAE and media & entertainment applications.

Perfomance you can count on
Spectrum of performance due to a wide range of professional grade features
- Powerful Intel® Xeon® Processor W Family
- Support of Windows 10 Pro for Workstations
- Support of up to 512 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® vPro® processors with up to 4.6 GHz frequency
- Professional graphics cards up to NVIDIA RTX™ A6000 and AMD Radeon™ Pro WX 3200
- 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 M7010 (S26361-K1507-V165)	CELSIUS M7010power (S26361-K1507-V265)
Processor	Intel® Xeon® processor W-2295 (18 cores, 3.00 GHz, up to 4.6 GHz) Intel® Xeon® processor W-2275 (14 Cores, 3.30 GHz, up to 4.6 GHz) Intel® Xeon® processor W-2265 (12 Cores, 3.50 GHz, up to 4.6 GHz) Intel® Xeon® processor W-2255 (10 Cores, 3.70 GHz, up to 4.5 GHz) Intel® Xeon® processor W-2245 (8 Cores, 3.90 GHz, up to 4.5 GHz) Intel® Xeon® processor W-2235 (6 Cores, 3.80 GHz, up to 4.6 GHz) Intel® Xeon® processor W-2225 (4 Cores, 4.10 GHz, up to 4.6 GHz) Intel® Xeon® processor W-2223 (4 Cores, 3.60 GHz, up to 3.9 GHz)	
	Intel vPro® technology	

Operating systems		
Operating system pre-installed	Windows 11 Pro. Fujitsu recommends Windows 11 Pro for business. 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	Certified for Red Hat© Enterprise Linux Certified for SUSE Enterprise Desktop Certified for SUSE Enterprise Server After the end of the product life Fujitsu will continue to test and support all upcoming Windows releases for a period of maximum 5 years, depending on the available extension of hardware services through Fujitsu Warranty top ups. For details please see "Fujitsu Service Statement for Windows General Availability Channel" at https://support.ts.fujitsu.com/IndexProdSupport.asp?lng=com&OpenTab=	

	CELSIUS M7010 (S26361-K1507-V165)	CELSIUS M7010power (S26361-K1507-V265)
Memory modules	8 GB (1 module(s) 8 GB) DDR4, registered, ECC, 2,933 MT/s 16 GB (1 module(s) 16 GB) DDR4, registered, ECC, 2,933 MT/s 32 GB (1 module(s) 32 GB) DDR4, registered, ECC, 2,933 MT/s 64 GB (1 module(s) 64 GB) DDR4, registered, ECC, 2,933 MT/s	

	CELSIUS M7010 (S26361-K1507-V165)	CELSIUS M7010power (S26361-K1507-V265)
Graphics	High-end 3D: NVIDIA® Quadro® RTX 4000, 8 GB, PCIe x16, 3 x DisplayPort, 1 x Virtual Link 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 Remote Graphics: CELSIUS RemoteAccess Quad Card, PCIe x1, 4 x miniDP, PCoIP Remote Graphics: CELSIUS RemoteAccess Dual Card, PCIe x1, 2 x miniDP, PCoIP 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® RTX 5000, 16 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 High-end 3D: NVIDIA® Quadro® RTX 4000, 8 GB, PCIe x16, 3 x DisplayPort, 1 x Virtual Link 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 Remote Graphics: CELSIUS RemoteAccess Quad Card, PCIe x1, 4 x miniDP, PCoIP Remote Graphics: CELSIUS RemoteAccess Dual Card, PCIe x1, 2 x miniDP, PCoIP Others: MiniDP to DP Adapter Cable Others: DP to DVI-D (single link) Adapter Cable

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	CELSIUS M7010 (S26361-K1507-V165)	CELSIUS M7010power (S26361-K1507-V265)
Hard disk drive	HDD SAS, 10,000 rpm, 1200 GB, 2.5-inch HDD SAS, 10,000 rpm, 1800 GB, 2.5-inch HDD SAS, 10,000 rpm, 2400 GB, 2.5-inch HDD SAS, 10,000 rpm, 600 GB, 2.5-inch 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, 1024 GB, 2.5-inch SSD SATA III, 480 GB High Endurance, 1.5DWDP, 2.5-inch SSD SATA III, 512 GB, 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)	
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Optical drive	MultiCard Reader 24in1 USB 2.0 3.5", USB 2.0 DVD-ROM DVD Super Multi, SATA DVD Super Multi ultra slim (tray), SATA BD Triple Writer SATA ultra slim (tray), SATA	
SCSI / SAS Controller	LSI RAID Ctrl SAS 1GB (D3216) RAID 5/6 Ctrl. 12 Gbit/s 8 ports int.	
	LSI RAID Ctrl SAS (D3327) RAID 0/1 Ctrl. 12 Gbit/s 8 ports int.	
	Intel VROC HW key Standard M.2	
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Interfaces add on cards / components	WLAN 802.11ac (2x2) PCIe x1 and BT 5, SRD 5.8GHz (dedicated regions only) PLAN EP X550-T2 2x10GBASE-T Intel 2x1Gb Ethernet Adapter I350-T2 Dual serial card PCIe x1 Dual 10 Gigabit Ethernet PCIe x8	
	CELSIUS M7010 (S26361-K1507-V165)	CELSIUS M7010power (S26361-K1507-V265)

Base unit

Base unit	CELSIUS M7010 (S26361-K1507-V165)	CELSIUS M7010power (S26361-K1507-V265)
Mainboard		
Mainboard type	D3498-A2	
Formfactor	extended ATX	
Chipset	Intel® C422	

Mainboard

Processor socket	Socket R4
Processor quantity maximum	1
Supported capacity RAM (max.)	512 GB
Memory slots	8 DIMM (DDR4) ECC
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
Audio: out (rear)	1
Audio: in	1
Audio: out	1
Internal speakers	1
USB 2.0 total	2 optional via front panel
USB 3.1 Gen1 (USB 3.0) total	6
USB 3.1 Gen2 total	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
USB rear	6
USB internal	3, thereof 1 type A
Ethernet (RJ-45)	1
eSATA	1 (optional)
Interface Module notes	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 x8	1 x (200 mm) Full height
PCI-Express 3.0 x16	2 x (340 mm / 13.39 inch) Full height

Base unit	CELSIUS M7010 (S26361-K1507-V165)	CELSIUS M7010power (S26361-K1507-V265)
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 M7010 (S26361-K1507-V165)	CELSIUS M7010power (S26361-K1507-V265)
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 M7010	CELSIUS M7010power
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

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.)
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
Base unit	CELSIUS M7010 (S26361-K1507-V165) CELSIUS M7010power (S26361-K1507-V265)

Security

Physical Security	Kensington Lock support Eye for padlock Intrusion switch Integrated cabinet lock (optional)
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 Protect (secure authentication solution)
Workplace Embedded Tools	Auto BIOS Update via Fujitsu Server Auto BIOS Update via customer server (optional) Easy PC Protection (optional)

Manageability

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	http://www.fujitsu.com/fts/manageability

Miscellaneous

	Rack mountable (4U)
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 EMEIA, 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 Services - 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
Keyboard KB950 Phone		The KB950 Phone is a modern and slim line USB keyboard with integrated Skype for business features. This extremely reliable, high-speed input device is the perfect way to manage incoming and outgoing calls, even when the system is locked. Three additional keys make it easy to accept and end calls and mute your microphone during a call. Easy number dialing is assured with the numpad. The integrated 61 x 12 mm display shows the time and date, the user status and shows incoming call data in the form of the calling number and caller ID.	S26381-F950-L4** (**: Country specific variation)

More information

Fujitsu products, solutions & services

In addition to the Fujitsu Workstation CELSIUS M7010, 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 M7010, 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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