

Fujitsu recommends Windows 10 Pro.

Data Sheet

FUJITSU Workstation CELSIUS M740 Long Lifecycle

Long Lifecycle CELSIUS M740

Certain applications as well as business requirements demand long-lasting roll-outs in both, public and private institutions, such as medical environments, telecommunication or power plant IT. The FUJITSU CELSIUS M740 Long Lifecycle desktop workstation is the ideal choice as it guarantees a minimum lifecycle of 36 months.



Performance you can count on

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

- Intel® Xeon® E5-2600 v4 processor family (selected processors)
- Support of Windows 10 Pro
- Support of Windows 7 Professional 64-bit
- Boost your storage performance with super-fast PCIe SSDs to provide a quick loading of core applications
- Supporting up to 12 drive bays and 7 PCI-Express slots

Long Lifecycle

Continuity and predictable planning for long-term projects

- While the regular lifecycle of the FUJITSU Workstation M740 is around 18 months, the Long Lifecycle variant is available for a minimum of 36 months
- Selection of specific components (processors and storage) ensure lifecycle stability
- Windows 7 supported
- Thanks to Fujitsu's unique end-to-end capabilities: in-house developed BIOS and systemboard as well as production in Germany

Whisper quiet design Made in Germany

From design to production – an "IT made in Germany" quality in which you can trust

- Optimized thermal management and cooling solutions
- Near-silent noise emission of 20 dB(A)
- High product standards thanks to top-quality components

Ultimate reliability and 24/7 ready

Stringent quality control and system stability through-out the complete lifecycle

- Comprehensive testing in certified in-house laboratories for 24/7 operation
- Reliable high-endurance and business critical drives designed for long-term operation

We are (VR) ready

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



Components

Processor	Intel® Xeon® processor E5-2680v4 (14 cores, 2.40 GHz, 35 MB)
	Intel® Xeon® processor E5-2640v4 (10 Cores, 2.40 GHz, 25 MB)
	Intel® Xeon® processor E5-2620v4 (8 Cores, 2.10 GHz, 20 MB)
	Intel® Xeon® processor E5-2609v4 (8 Cores, 1.70 GHz, 20 MB)
Operating systems	
Operating system pre-installed	Windows 10 Pro
Operating system compatible	Windows 7 Professional (available through downgrade rights from Windows 10 Pro) Windows® Server 2012 Linux
Operating system notes	Certified for Red Hat© Enterprise Linux Certified for SUSE Enterprise Desktop Certified for SUSE Enterprise Server Windows 10 Support: After the end of the product life FUJITSU will continue to test and support all upcoming Window 10 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 10 Semi-Annual-Channel Support” at http://support.ts.fujitsu.com .
Memory modules	8 GB (1 module(s) 8 GB) DDR4, registered, ECC, 2,400 MHz
	16 GB (1 module(s) 16 GB) DDR4, registered, ECC, 2,400 MHz
	32 GB (1 module(s) 32 GB) DDR4, registered, ECC, 2,400 MHz
Graphics	Ultra-high-end 3D: NVIDIA® Quadro® P6000, 24 GB, PCIe x16, 1x Dual Link DVI-D, 4 x DisplayPort
	Ultra-high-end 3D: NVIDIA® Quadro® P5000, 16 GB, PCIe x16, 1x Dual Link DVI-D, 4 x DisplayPort
	High-end 3D: AMD FirePro™ W7100, 8 GB, PCIe x16, 4 x DisplayPort
	High-end 3D: NVIDIA® Quadro® P4000, 8 GB, PCIe x16, 4 x DisplayPort
	Midrange 3D: NVIDIA® Quadro® P2000, 5 GB, PCIe x16, 4 x DisplayPort
	Entry 3D: NVIDIA® Quadro® P1000, 4 GB, PCIe x16, 4x miniDP
	Entry 3D: NVIDIA® Quadro® P620, 2 GB, PCIe x16, 4x miniDP
	Entry 3D: NVIDIA® Quadro® P400 , 2 GB, PCIe x16, 3x miniDP
	Professional 2D: NVIDIA® NVS™ 315, 1 GB, 48 cores, PCIe 2.0 x16, 1x LFH59 (max. 2x DP or 2x DVI-I)
	Remote Graphics: CELSIUS RemoteAccess Quad Card, PCIe x1, 4x miniDP, PCoIP
	Remote Graphics: CELSIUS RemoteAccess Dual Card, PCIe x1, 2x miniDP, PCoIP
	Others: DP to DVI-D (single link) Adapter Cable

Hard disk drives (internal)

SSD SATA III, 960 GB High Endurance, 3DWPD, 2.5-inch
 SSD SATA III, 480 GB High Endurance, 3DWPD, 2.5-inch
 SSD SATA III, 240 GB High Endurance, 3DWPD, 2.5-inch
 SSD SATA III, 960 GB High Endurance, 1DWDP, 2.5-inch
 SSD SATA III, 480 GB High Endurance, 1DWDP, 2.5-inch
 SSD SATA III, 240 GB High Endurance, 1DWDP, 2.5-inch
 SSD PCIe, 2x 1024 GB M.2 NVMe Highend card
 SSD PCIe, 2x 512 GB M.2 NVMe Highend card
 SSD PCIe, 2x 256 GB M.2 NVMe Highend card
 SSD PCIe, 1x1024 GB M.2 NVMe Highend card
 SSD PCIe, 1x 512 GB M.2 NVMe Highend card
 SSD PCIe, 1x 256 GB M.2 NVMe Highend card
 SSD PCIe, 2x 1024 GB M.2 NVMe card
 SSD PCIe, 2x 512 GB M.2 NVMe card
 SSD PCIe, 2x 256 GB M.2 NVMe card
 SSD PCIe, 1x 1024 GB M.2 NVMe card
 SSD PCIe, 1x 512 GB M.2 NVMe card
 SSD PCIe, 1x 256 GB M.2 NVMe card
 SSD SATA III, 1024 GB, 2.5-inch
 SSD SATA III, 512 GB, 2.5-inch
 SSD SATA III, 256 GB, 2.5-inch
 SSD SATA III, 512 GB, 2.5-inch, SED
 HDD SAS, 10,000 rpm, 1800 GB, 2.5-inch
 HDD SAS, 10,000 rpm, 1200 GB, 2.5-inch
 HDD SAS, 10,000 rpm, 900 GB, 2.5-inch
 HDD SAS, 10,000 rpm, 600 GB, 2.5-inch
 HDD SATA III, 7,200 rpm, 6,000 GB, 3.5-inch, business critical
 HDD SATA III, 7,200 rpm, 4,000 GB, 3.5-inch, business critical
 HDD SATA III, 7,200 rpm, 2,000 GB, 3.5-inch, business critical
 HDD SATA III, 7,200 rpm, 1,000 GB, 3.5-inch, business critical
 HDD SATA III, 7,200 rpm, 2,000 GB, 2.5-inch, business critical
 HDD SATA III, 7,200 rpm, 1,000 GB, 2.5-inch, business critical
 HDD SATA III, 7,200 rpm, 1000 GB, 2.5-inch, enhanced availability
 HDD SATA III, 7,200 rpm, 2,000 GB, 3.5-inch
 HDD SATA III, 7,200 rpm, 1,000 GB, 3.5-inch
 HDD SATA III, 7,200 rpm, 500 GB, 3.5-inch

Hard disk notes

*Disk imaging software of the customer must be 4k sector size / advanced format ready
 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
 SSHD (Solid State Hard Disk, Hybrid drive)
 SED (Self-Encrypting Drive)
 SSD (Solid State Disk)

Drives (optional)

BD Triple Writer SATA ultra slim (tray)
 DVD-ROM
 DVD Super Multi
 DVD Super Multi ultra slim (tray)
 MultiCard Reader 24in1 USB 2.0 3.5"

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.

**Interface add on cards/components
(optional)**

WLAN 802.11ac (2x2) PCIe x1 FH and BT 4.1 (dedicated regions only, up to BT 4.2 depending on OS version)
WLAN 802.11ac (2x2) PCIe x1 FH (dedicated regions only)
PLAN EP X550-T2 2x10GBASE-T
Gigabit Ethernet PCIe x1
eSATA Interface
Dual serial card PCIe x1

Base unit	CELSIUS M740-L (S26361-K1447-V350)
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Mainboard

Mainboard type	D3348-A2x
Formfactor	ATX
Chipset	Intel® C612
Processor socket	Socket R3
Processor quantity maximum	1
Supported capacity RAM (max.)	256 GB
Memory slots	8 DIMM (DDR4) ECC
LAN	10/100/1,000 MBit/s Intel® I217LM
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	10
thereof SATA III	10
Controller functions	Serial ATA III (6 Gbit) 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	9
USB 3.1 Gen1 (USB 3.0) total	4
USB front	4 (2x USB 3.0)
USB rear	6
USB internal	3, thereof 1 type A
Ethernet (RJ-45)	1
Interface Module notes	Anytime USB charge functionality

Input device / components

Input devices (optional)	Optical USB tilt wheel mouse Keyboard Optical USB tilt wheel mouse Optical USB wheel mouse
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Drive bays

Drive bays total	12
2.5-inch internal bays	8
3.5-inch internal bays	4
3.5-inch external bays	2
5.25-inch external bays	1
Drive bay notes	Up to 8x 2.5-inch HDDs (cold plug) and 1x 2.5-inch SSD or Up to 4x 3.5-inch HDDs (cold plug) and 1x 2.5-inch SSD or Up to 2x 2.5-inch and 2x 3.5-inch HDDs (cold plug) and 1x 2.5-inch SSD

Slots

PCI-Express 3.0 x4 (mech. x8)	1 x (170 mm / 6.69 inch) Full height
PCI-Express 3.0 x4 (mech. x16)	1 x (340 mm / 13.39 inch) Full height
PCI-Express 3.0 x16	2 x (340 mm / 13.39 inch) Full height
PCI-Express 2.0 x4 (mech. x16)	1 x (340 mm / 13.39 inch) Full height
PCI-Express 2.0 x1 (mech. x8)	2 x (100 mm / 3.94 inch) Full height

Electrical values

Power consumption note	300 W depending on configuration
Rated voltage range	100 V - 240 V
Rated frequency range	50 Hz - 60 Hz
Operating voltage range	90 V - 264 V
Operating line frequency range	47 Hz - 63 Hz
Max. output of single power supply	600 W up to 90% efficiency
Power factor correction/active power	active
Power supply output	1 graphics power rails (8pin connector / 18.5A@12V)

Noise for standard configuration (HDD, ODD)

Related Processors for noise	Intel® Xeon® E5-2687Wv4 w/ NVIDIA® NVS® 315
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	3.7 B / 21 dB(A) Bystander position
Standard noise operation mode: CPU 90% load	3.7 B / 21 dB(A) Bystander position
Standard noise operation mode: HDD load	3.8 B / 22 dB(A) Bystander position
Standard noise operation mode: Idle mode	3.7 B / 21 dB(A) Bystander position
Standard noise operation mode: ODD load	4.5 B / 27 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)	186 x 481 x 430 mm
Operating position	Vertical / horizontal
Weight	18 kg
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 M740
Model	ETNA-S

Compliance

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® 6.1 (dedicated regions, depending on configuration) EPEAT® Silver (dedicated regions)
Compliance notes	Product Name maybe followed by suffixes
Compliance link	https://sp.ts.fujitsu.com/sites/certificates

Additional Software

Additional software (preinstalled)	Workplace Protect (secure authentication solution) 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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Security

Physical Security	Kensington Lock support Eye for padlock Intrusion switch Integrated cabinet lock (optional)
System and BIOS Security	Write protect option for the Flash EPROM Boot protection for floppy disk / CD drive and write protection for floppy disk drive Control of all USB interfaces Trusted Platform Module (TPM 2.0) EraseDisk
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) SystemLock 3 SmartCard Security (optional): BIOS based pre-boot/ two-factor authentication for high level of access protection

Manageability

Manageability technology	DeskUpdate Driver management iAMT 9.0 (depending on CPU) PXE 2.1 Boot code Wake up from S5 (off mode) 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 (5U)
Spare part availability	5 years

Packaging information

Packaging dimension (mm)	397 x 597 x 597 mm
Packaging dimension (inch)	15.63 x 23.5 x 23.5 inch
Max. quantity / pallet	16
Packaging notes	597 mm

Warranty

Warranty period	3 years (depending on country)
Warranty type	Bring-In / Onsite Service (for countries within region EMEA, for all other countries depending on local regulations)
Warranty Terms & Conditions	http://support.ts.fujitsu.com/warranty

Product Related Services - the perfect extension

Recommended Service	- 9x5, Onsite Response Time: Next Business Day
Spare Parts availability	5 years after end of product life
Service Weblink	http://www.fujitsu.com/fts/services/support

Recommended Accessories

Display P27-8 TS Pro

If you're a pixel, color and performance-hungry professional using demanding applications, the FUJITSU P27-8 TS Pro Display is the perfect choice. The display provides outstanding picture performance thanks to cutting-edge panel technology and 3.7 Mio pixels. It also boasts unique and innovative features such as our patent-applied Presence Sensor technology and USB support during standby.

Order Code:
S26361-K1594-V160

Display B34-9 UE

The FUJITSU Display B34-9 UE is an ultrawide curved display with 3440 x 1440 resolution with a thin bezel housing. The monitor has a 1900R curvature and a wide viewing angle that delivers consistent picture quality, DisplayView™ Click manageability software and a range of connectivity options ideal for medium- and large-sized businesses.

Order Code:
S26361-K1642-V140

Blue LED Mouse GL9000

Blue LED Mouse GL9000 comes in a slim design with proven Fujitsu engineering quality. The state-of-the-art blue LED sensor enables ultra precise switchable resolution at 1,000, 1,500 and 2,000 dpi. Blue LED Mouse GL9000 makes your life easier because it's tailor-made for right handed users. It just feels great in your hand.

Order Code:
S26381-K438-L100

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 KB900

The KB900 is a very flat keyboard with extra low keys and spill-resistant protection. The elegant design and top-quality construction makes the KB900 the ideal input device for any PC or Notebook user. If you accidentally spill some water or coffee onto the keyboard, this special construction helps the liquid to flow away.

S26381-K560-L4** (**:
Country specific variation)

More information

Fujitsu products, solutions & services

In addition to the FUJITSU Workstation CELSIUS M740 Long Lifecycle, 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 M740 Long Lifecycle, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website. www.fujitsu.com/fts/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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Contact

Fujitsu Technology Solutions GmbH
Website: www.fujitsu.com/fts
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