

Fujitsu recommends Windows 11 Pro.

# Data Sheet

## Fujitsu Workstation CELSIUS H7613

For professionals who need real workstation power on the move!

The new Fujitsu Workstation CELSIUS H7613 delivers a perfect combination of power and mobility. With the latest Intel Core processors, NVIDIA professional graphics, anti-glare 4K display and an advanced suite of security features, including PalmSecure™, the CELSIUS H7613 helps you run with your creative ideas fast and secure, anywhere, anytime.

### Enhance Your Work Experience with Seamless Mobility

Unleash your creativity anywhere, be it in the office, at home, or on the go.

- Small footprint, slim, lightweight design for improved portability (<2.7kg / <30 mm)
- Ultimate display viewing experience - 4K HDR (800cd & 100% DCI-P3) or 2k (400cd)
- Anti-glare display with a modern, slim-bezel design that maximizes your viewing area
- Built-in infrared camera provides quick and easy way of logging into the system

Unleash pro-level performance anywhere with unparalleled mobility

Experience workstation power like never before, with unmatched mobility for pro-level performance on the go.

- Latest 13th generation Intel® Core™ processors (i7 or i9) offer unmatched speed and performance
- Power up your ideas and creative workflows with NVIDIA® RTX 5000 Ada graphics
- Windows 11 Pro support
- Up to 128GB DDR5 memory (ECC optional)
- Massive storage capabilities supported by 3x M.2 Storage options (incl. RAID support)
- Support for Intel® Gaussian & Neural Accelerator (Intel® GNA) feature

Seamlessly connected and highly usable for optimal productivity

Enjoy effortless connectivity and superior usability, ensuring you stay connected and productive no matter where you are.

- Latest Intel® Thunderbolt™ 4 technology and USB ports for high-speed file transfer and fast charging, and to keep you connected to external monitors and other accessories
- 2x Thunderbolt 4 interfaces, Type-C
- Wide range of interfaces with full-size LAN 2,5 Gbit/s connector, full-size HDMI and Thunderbolt Type-C connector

Enhanced security measures for unparalleled data protection

Safeguard your enterprise data from unauthorized access with advanced security features. Bid farewell to password concerns as you benefit from three distinctive biometric login options.

- Infrared FHD webcam (IR Hello Cam): Allows face recognition with Windows Hello
- Fingerprint sensor or PalmSecure (optional)
- Built-in Privacy Camera Shutter: For protecting your privacy
- Integrated SmartCard Reader Slot



# Components

Base unit	CELSIUS H7613 ESTAR
<b>Operating systems</b>	
Operating system pre-installed	Windows 10 Pro. Fujitsu recommends Windows 11 Pro for business. Windows 11 Pro. Fujitsu recommends Windows 11 Pro for business.
Microsoft OS support information	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>
Operating system notes	The use of Windows Operating System is subject to acceptance of the End User License Agreement of Microsoft as applicable under the relevant Microsoft program.
<b>Processor</b>	
	Intel® Core™ i9-13950HX processor (24 Cores (8+16) / 32 Threads, 4.0 GHz, up to 5.5 GHz) Intel® Core™ i7-13850HX processor (20 Cores (8+12) / 28 Threads, 3.8 GHz, up to 5.3 GHz) Please note that only certain combinations of processors, graphics and displays can be ordered
<b>Memory modules</b>	
	16 GB (2 module(s) 8 GB) DDR5, 4,000 MT/s, DIMM 32 GB (2 module(s) 16 GB) DDR5, 4,000 MT/s, DIMM 32 GB (2 module(s) 16 GB) DDR5, ECC, 4,000 MT/s, DIMM 64 GB (2 module(s) 32 GB) DDR5, 4,000 MT/s, DIMM 64 GB (2 module(s) 32 GB) DDR5, ECC, 4,000 MT/s, DIMM 128 GB (4 module(s) 32 GB) DDR5, 3,600 MT/s, DIMM 128 GB (4 module(s) 32 GB) DDR5, ECC, 3,600 MT/s, DIMM
<b>Hard disk drives (internal)</b>	
	PCIe-SSD, RAID1 2x512 GB M.2 NVMe module, SED PCIe-SSD, RAID1 2x2 TB M.2 NVMe module, SED PCIe-SSD, RAID1 2x1 TB M.2 NVMe module, SED PCIe-SSD, 512 GB M.2 NVMe module, SED PCIe-SSD, 4 TB M.2 NVMe module, SED PCIe-SSD, 2 TB M.2 NVMe module, SED PCIe-SSD, 1 TB M.2 NVMe module, SED
Hard disk notes	Accessible capacity may vary, also depending on used software.
<b>Interface add on cards/components (optional)</b>	

## Base unit

Base unit	CELSIUS H7613 ESTAR
<b>Mainboard</b>	
Chipset	Intel® WM790
Chipset notes	Intel® vPro™ technology
Supported capacity RAM (min.)	8 GB
Supported capacity RAM (max.)	128 GB
Memory slots	4 SO DIMM (DDR5) ECC/nonECC
LAN	Gigabit Ethernet (10/100/1,000 Mbit/s, 2,5 Gbps) Intel® I226LM
Integrated WLAN	Intel WiFi 6E AX211 - WLAN, BT, SRD cat. 2

**Mainboard**

BIOS version	UEFI Specification 2.8
BIOS features	InsydeH2O BIOS
Audio type	On board
Audio codec	Realtek ALC257 with MaxxAudio
Audio features	Stereo speakers, 2 digital microphones
MIL-STD tested	Yes, selected MIL-STD-810H tests passed. MIL-STD-810H test results are not a guarantee of future performance under identified test conditions. Accidental damage is not covered under standard international limited warranty.

**Display**

Diagonal Size	40.6 cm (16-inch)
Display Technology	LED backlit
Display type	Anti-glare IPS display
Resolution (native)	2560 x 1600 (WQXGA) / 3840 x 2400 (WQUXGA)
Aspect ratio	16:10
Brightness - typical	[WQXGA] 400 cd/m <sup>2</sup> / [WQUXGA] 800 cd/m <sup>2</sup>
Contrast - typical	1300:1 typ. (WQUXGA and WQXGA)
Viewing angle (h/v) - typical	178°/178°

**Graphics**

Base unit	CELSIUS H7613 ESTAR
TFT resolution (HDMI)	up to 3,840 x 2,400 @ 60 Hz
Graphics brand name	NVIDIA® RTX™ 5000 Ada Generation Laptop GPU, NVIDIA® RTX™ 3500 Ada Generation Laptop GPU, NVIDIA® RTX™ 2000 Ada Generation Laptop GPU, NVIDIA® RTX™ A1000 Laptop GPU
Dedicated video memory	up to 16 GB (GDDR6) depending on Graphics

**Interfaces**

DC-in	1x
Audio: line-in / line-out	1
Internal microphones	2x digital array microphones
Internal speakers	2
USB 3.2 Gen1 (5 Gbps) total	2x Type-A (with Anytime USB charge functionality) / 1x Type-C
Thunderbolt™ 4 total	2x Type-C (40Gbps, Power Delivery (15W), DP 1.4a)
HDMI	1 (supports external display up to 5120x2880 dots@60Hz as specified in v2.1)
Ethernet (RJ-45)	1x
Memory card slots	1 (USH-II) SD 4.0 Standard SD/microSD card SDHC/microSDHC card SDXC/microSDXC card Speed Class: up to UHS-II
SmartCard slot	1x
SIM card slot	1 (Nano-SIM, only for models with configuration WWAN ready or with 4G/5G LTE modules)
eSIM card	eSIM integrated in 4G/5G LTE Module
Interface Module notes	1x Kensington Lock support
Kensington Lock support	1 - Recommendation: Kensington's Micro Security Saver

**Port Replicator interfaces (optional)**

	Thunderbolt™ 4 PR
DC-in	1 (20V/170W required)
Power on switch	1
Audio: comments	1 Combo jack for headset usage
DisplayPort	2x V1.4++
HDMI text	V 2.0b

**Port Replicator interfaces (optional)**

Interface Notes	2x Type-A - 5V/0.9A, 4.5W 1x Type-A - 5V/2.4A, 12W 2x Type-C - 5V, 1.5A/4.5W charging port 1x Type-C - TBT4 up to 60 W (PD v2.0-1.1), 5-20V/3.0A upstream (PC), Intel AMT support (vPRO) 1x Type-C - TBT4 up to 15 W (PD v2.0-1.1), 5V/3.0A downstream, power output to client
Kensington Lock support	1
Ethernet (RJ-45)	1 (10/100/1000 Mbit/s, 2,5 Gbps)
Notes	Number of simultaneous used displays and its possible resolutions and frequencies depend on mobile system and display interface type. Please consult always also the manual of the connected client.

Keyboard w/o touchstick (spill-resistant), Backlit keyboard w/o touchstick (spill-resistant)

Number of keyboard keys: 106, Keyboard pitch: 18.4 mm, Keyboard stroke: 1.7 mm

Multi gesture touchpad with three mouse buttons

**Antennas**

Bluetooth	V5.2 is hardware ready but may run at lower version due to OS limitation
Integrated WLAN	Intel WiFi 6E AX211 - WLAN, BT, SRD cat. 2
NFC	No

RAID support 0,1

**Power supply**

AC adapter	19.5 V / 230 W (11.8 A)
Rated voltage range	100 V - 240 V (AC Input)
Rated frequency range	50 Hz - 60 Hz
1st battery	Li-Ion battery 6-cell, 94.95 Wh, 8264 mAh
Runtime 1st battery	up to 8 hours (preliminary, depending on configuration)
Battery notes	Battery runtime information is based on worldwide acknowledged BAPCo® MobileMark® 2018. Refer to <a href="http://www.bapco.com">www.bapco.com</a> for additional details. The BAPCo® MobileMark® Benchmark provides results that enable direct product comparisons between manufacturers. It does not guarantee any specific battery runtime which actually can be lower and may vary depending on product model, configuration, application and power management settings. The battery capacity decreases slightly with every re-charge and over its lifetime.

**Dimensions / Weight / Environmental**

Dimensions (W x D x H)	370,0 x 264.5 x 26.4 mm (front) / 29.8 mm (rear) mm 14,57 x 14.41 x 1.04 / 1.17 (front/rear) inch
Weight	from 2.53 kg
Weight (lbs)	from 5.58 lbs
Weight notes	Weight may vary depending on actual configuration
Operating ambient temperature	5 - 35 °C (41 - 95 °F)
Operating relative humidity	20 - 80 % (relative humidity, non-condensing)

**Compliance**

Product	CELSIUS H7613 ESTAR
Model	7H16A4
Europe	CE Marking
USA/Canada	cULus FCC Class B part 15C/E + 22 + 24 (depending on wireless configuration)
Global	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) ENERGY STAR® 8.0 EPEAT® Gold (dedicated regions) TCO Certified 9.0
Compliance link	<a href="https://sp.ts.fujitsu.com/sites/certificates">https://sp.ts.fujitsu.com/sites/certificates</a>

### Additional Software

Additional software (preinstalled)	Microsoft Office (1 month trial for new Microsoft® Office 365 customers. Buy Microsoft Office.) McAfee® LiveSafe™ (provides award-winning antivirus protection for your PC and much more. 30 days trial pre-installed) Fujitsu Plugfree Network (network management utility) Fujitsu Anytime USB Charge Utility Fujitsu Function Manager Fujitsu Battery Utility Fujitsu DeskUpdate (driver and utility tool)
Additional software (optional)	Recovery DVD for Windows® Drivers & Utilities DVD (DUDVD) CyberLink YouCam (webcam software) Microsoft® Office Professional 2021 Microsoft® Office Home and Business 2021 (Need to buy license to activate the pre-installed Microsoft Office. Purchase and activation only in the region in which it was acquired.)
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 - AllPlan <sup>1</sup> Dassault Systèmes® CATIA™ <sup>1</sup> Dassault Systèmes® SOLIDWORKS® <sup>1</sup> PTC® Creo® <sup>1</sup> Siemens Digital Industries - NX <sup>1</sup> Siemens Digital Industries - Solid Edge <sup>1</sup> Adobe® After Effects® <sup>2</sup> Adobe® Dreamweaver® <sup>2</sup> Adobe® Illustrator® <sup>2</sup> Adobe® InDesign® <sup>2</sup> Adobe® Photoshop® <sup>2</sup> Adobe® Premiere® Pro <sup>2</sup> Autodesk® AutoCAD® <sup>2</sup> Autodesk® Inventor® <sup>2</sup> Autodesk® Maya® <sup>2</sup> Autodesk® Revit® <sup>2</sup> Autodesk® VRED® <sup>2</sup> Bentley OpenComms™ Designer <sup>2</sup>
Supported ISV Applications (notes)	<sup>1</sup> System certification (for selected configurations) <sup>2</sup> ISV 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.

### Manageability

Manageability technology	Intel® vPro™ technology/iAMT (depending on processor) PXE Boot code 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) CIM (Common Information Model) BootP (made4you)
Manageability link	<a href="https://www.fujitsu.com/global/products/computing/pc/manageability/">https://www.fujitsu.com/global/products/computing/pc/manageability/</a>
Physical Security	Kensington Lock support

System and BIOS Security	User and supervisor BIOS password EraseDisk
User Security	Embedded fingerprint sensor (optional) Embedded PalmSecure® sensor (optional) TPM 2.0 Hard disk password Smartcard reader (integrated)
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.

### Warranty

Warranty period	3 years (depending on country)
Warranty type	Bring-in Service / Collect & Return Service (depending on country)
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.

### Product Support - the perfect extension

Recommended Service	9x5, Onsite Response Time: Next Business Day
Spare Parts availability	at least 5 years after shipment, for details see <a href="https://support.ts.fujitsu.com/">https://support.ts.fujitsu.com/</a>
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

Thunderbolt™ 4 Port Replicator		First Thunderbolt™ Port Replicator on the market providing enhanced security and full support of Intel® AMT (vPro®). The universal port can easily connect almost everything with a single cable and high speed-data transfer. This smart workspace solution keeps your desk clean and tidy.	Order Code: FPCPR401BP
Prestige Backpack 17 (2021)		The Fujitsu Prestige Backpack 17 (2021) protects notebooks with up to 17-inch displays. It contains three large compartments, an elastic mesh side pocket and a front bay. The padded back compartment provides protection for your notebook, while the other sections store power adaptors and office supplies. Padded shoulder straps and back cushions provide comfort on the move.	Order Code: S26391-F1120-L135

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Prestige Case 15 (2021)



The Prestige Case 15 protects notebooks with up to 15.6-inch screens. The front compartment provides space for your power cord and office supplies. The large compartment is divided for your notebook and a tablet. Order Code: S26391-F1120-L60

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Prestige Trolley 17



The Fujitsu Prestige Trolley 17 protects and transports notebooks with up to 17 inch screens, along with clothes and toiletries. It is the perfect companion in a city environment or for overnight stays with four spacious compartments. Smooth running wheels and a telescopic handle ensure convenience, while the central section protects your notebook with shock-absorbing foam. Order Code: S26391-F1194-L130

# More information

## Fujitsu products, solutions & services

In addition to the Fujitsu Workstation CELSIUS H7613, 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 H7613, 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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## Disclaimer

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.

Technical data is subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective owner, the use of which by third parties for their own purposes may infringe the rights of such owner.

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

## Contact

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