

Fujitsu recommends Windows 10 Pro.

Data Sheet

FUJITSU Workstation CELSIUS H770 Workstations

Mobile Workstation Meets Security

If you are looking for workstation power on-the-go packed in a 39.6 cm (15.6-inch) stylish form factor, then the FUJITSU CELSIUS H770 mobile workstation is the right choice. Its port replicator is compatible with seven LIFEBOOK devices and thus ideal for a shared desk environment. Maximum data security is guaranteed by the unique PalmSecure™ technology.



Mobile Workstation Meets Security

When true workstation performance meets the elegant style of a laptop

- Choose between Intel® Core™ processors or powerful Intel® Xeon processor® E3-1500M family supporting ECC memory
- Support of Windows 10 Pro
- UHD/4k and Full HD LED anti-glare displays
- Up to 64 GB DDR4 2400 MHz memory (ECC optional)
- M.2 SSDs PCIe NVMe technology supports quick loading of core applications

Full connectivity and worry-free docking experience

No compromise in terms of port connectivities, regardless of whether you are away, in a meeting or at your desk

- USB Type-C™ connector offering more speed (40 Gbps), more protocols (including Thunderbolt 3) and charging capabilities (power delivery of 15W)
- Full monitor connectivity support: 1x VGA and 1x DisplayPort (full size)
- 1 port replicator shared across 8 mobile devices: Notebooks, Ultrabook™, 2 in 1 and mobile workstations

Maximum Security

Data security and peace of mind

- Optional PalmSecure™, a leading-edge highly secure authentication system using biometric technology that authenticates users through vein pattern recognition
- Optional fingerprint sensor
- Integrated SmartCard reader
- TPM 2.0 and Advanced Theft Protection



Components

Base unit	CELSIUS H770
Operating systems	
Operating system pre-installed	Windows 10 Pro
Operating system compatible	Windows 10 Pro
Processor	
	Intel® Xeon® processor E3-1535M v6 (3.1 GHz, up to 4.2 GHz, 8 MB, Intel® HD Graphics P630)
	Intel® Xeon® processor E3-1505M v6 (3.0 GHz, up to 4.0 GHz, 8 MB, Intel® HD Graphics P630)
	Intel® Core™ i7-7920HQ processor (3.1 GHz, up to 4.1 GHz, 8 GB, Intel® HD Graphics 630)
	Intel® Core™ i7-7820HQ processor (2.9 GHz, up to 3.9 GHz, 8 GB, Intel® HD Graphics 630)
	Intel® Core™ i7-7700HQ processor (2.8 GHz, up to 3.8 GHz, 6 MB, Intel® HD Graphics 630)
Memory modules	
	8 GB (2 module(s) 4 GB) DDR4, 2,400 MHz, SO DIMM
	16 GB (2 module(s) 8 GB) DDR4, 2,400 MHz, SO DIMM
	16 GB (2 module(s) 8 GB) DDR4, ECC, 2,400 MHz, SO DIMM
	32 GB (2 module(s) 16 GB) DDR4, 2,400 MHz, SO DIMM
	32 GB (2 module(s) 16 GB) DDR4, ECC, 2,400 MHz, SO DIMM
Hard disk drives (internal)	
	SSD SATA III, 1024 GB, 2.5-inch, SED
	SSD SATA III, 512 GB, 2.5-inch, SED
	SSD SATA III, 256 GB, 2.5-inch, SED
	SSD SATA III, 5,400 rpm, 1000 GB
	SSD SATA III, 5,400 rpm, 500 GB
	PCIe-SSD, 1024 GB, M.2 module, SED
	PCIe-SSD, 512 GB, M.2 module, SED
	PCIe-SSD, 256 GB, M.2 module, SED
	SSD SATA, 1024 GB, M.2 module, SED
	SSD SATA, 512 GB, M.2 module, SED
	SSD SATA, 256 GB, M.2 module, SED
Hard disk notes	One Gigabyte equals one billion bytes, when referring to hard disk drive capacity. Accessible capacity may vary, also depending on used software.
Modular bay options	
	2nd battery
	Blu-ray Disc™ Triple Writer
	DVD Super Multi
	Weight saver
Interface add on cards/components (optional)	
3G/4G (optional)	Sierra Wireless AirPrime® EM7305 LTE/HSPA+ (LTE/UMTS module)
WLAN (optional)	Intel® Dual Band Wireless-AC8265 11ac with integrated Bluetooth 4.2 Import and usage according to country-specific regulations. 2 Dual Band WLAN antennas, 2 UMTS antennas
Display	
	39.6 cm (15.6-inch), IPS LED backlit, (UHD/4K), Anti-glare display, magnesium, 3,840 x 2,160 pixel, min. 700:1, typ. 300 cd/m ² , 85/85/85
	39.6 cm (15.6-inch), IPS LED backlit, (Full HD), Anti-glare display, magnesium, 1,920 x 1,080 pixel, min. 700:1, typ. 300 cd/m ² , 85/85/85
	39.6 cm (15.6-inch), IPS LED backlit, (Full HD), Anti-glare display, magnesium, 1,920 x 1,080 pixel
Camera	Optional: Built-in webcam, 2.0 megapixel
Microphone	2x digital (optional)

Base unit

Base unit	CELSIUS H770
Mainboard	
Chipset	Intel® QM175 or CM238 (depending on CPU)
Supported capacity RAM (min.)	8 GB
Supported capacity RAM (max.)	64 GB
Memory slots	4 SO DIMM (DDR4, 2133 MHz)
LAN	10/100/1,000 MBit/s Intel® I219LM
BIOS features	InsydeH20 Bios
Audio type	On board
Audio codec	Realtek ALC255 with MaxxAudio
Audio features	Stereo speakers, 2 digital microphones
Display	
Display notes	ISO 9241-307 - Pixel class II - anti-glare level
Graphics	
Base unit	CELSIUS H770
Graphics brand name	NVIDIA® Quadro® M2200, NVIDIA® Quadro® M1200, NVIDIA® Quadro® M620
Graphics features	NVIDIA® Quadro® M2200: 4GB (1024 CUDA Cores) NVIDIA® Quadro® M1200: 4GB (640 CUDA Cores) NVIDIA® Quadro® M620: 2GB (512 CUDA Cores)
Interfaces	
DC-in	1
Audio: line-in / microphone	1
Audio: line-out	1
Internal microphones	2 digital array microphones
USB 2.0 total	1
USB 3.1 Gen1 (USB 3.0) total	2
USB Type-C	1 (USB 3.1 Gen2 (10 Gbps), Thunderbolt 3 (20/40Gbps), Power Delivery (15W), DP 1.2)
VGA	1
DisplayPort	1
Ethernet (RJ-45)	1
SmartCard slot	1
SIM card slot	1
Multicardreader	1 (SD/SDHC) SD/microSD = 2GB, SDHC/micro SDHC = 32GB, SDXC = 64GB
Interface Module notes	1x Kensington Lock support, 1x Docking connector
Port Replicator interfaces (optional)	
DC-in	1 (19V)
Power on switch	1
Audio: headphone	1
Audio: microphone	1
USB 3.1 Gen1 (USB 3.0) total	4
DisplayPort	2 - 1 DP (next to DVI) is shared with DVI, works when DVI not connected
VGA	1
DVI	1 - shared with DP (next to DVI) - works when DP (next to DVI) not connected
Ethernet (RJ-45)	1 (10/100/1000)
Kensington Lock support	1 (Portrep & System)
eSATA	1

Port Replicator interfaces (optional)

Notes	Port replicator supports 0-Watts functionality
-------	--

Keyboard

	Touchpad with three mouse buttons
--	-----------------------------------

Input devices (optional)

	TouchStick
--	------------

Power supply

AC adapter	19 V / 150 W (7.89 A)
------------	-----------------------

Rated voltage range	100 V - 240 V (AC Input)
---------------------	--------------------------

Rated frequency range	50 Hz - 60 Hz
-----------------------	---------------

Runtime 1st battery	up to 11 hours
---------------------	----------------

Runtime 1st + 2nd battery	up to 14 hours
---------------------------	----------------

Dimensions / Weight / Environmental

Dimensions (W x D x H)	380.0 x 257.0 x 24.8-31.9 mm w/o bump / with rubber feet 35.0 mm
	14.96 x 10.12 x 0.98-1.26 inch w/o bump / with rubber feet 1.38 inch

Weight	2.75 kg
--------	---------

Weight (lbs)	6.1 lbs
--------------	---------

Weight notes	Actual weight may vary depending on configuration
--------------	---

Operating ambient temperature	5 - 35 °C (41 - 95 °F)
-------------------------------	------------------------

Operating relative humidity	20 - 80 % (relative humidity, non-condensing)
-----------------------------	---

Compliance

Product	CELSIUS H770
---------	--------------

Europe	CE Marking
--------	------------

USA/Canada	cULus
	FCC Class B part 15C/E + 22 + 24 (depending on wireless configuration)

Global	RoHS (EU & China)
	Medical EMC standard IEC60601-1-2 in combination with medical kit
	EPEAT® Gold (dedicated regions)
	ENERGY STAR® 6.1 (dedicated regions)

Compliance link	https://sp.ts.fujitsu.com/sites/certificates
-----------------	---

Additional Software

Additional software (preinstalled)	Adobe® Reader® (pdf reader)
	McAfee Multi Access Security (anti-virus and internet security software; 60 days trial version)
	Fujitsu Display Manager
	EasyGuide online user documentation
	Power Saving Utility
	ShockSensor Utility
	SmartAccess
	Fujitsu Plugfree Network (network management utility)
	Intel® SBA (manageability suite for local administration)
	DTS® Sound Enhance Software
	Fujitsu Application Button Utility
	Fujitsu DeskUpdate (driver and utility tool)
	Microsoft Office (buy license to activate the pre-installed Microsoft Office)

Additional software (optional)	Drivers & Utilities DVD (DUDVD)
	LTE / UMTS Connection Manager (if configured with 4G/LTE or 3G/UMTS)

Manageability

Manageability technology	DeskUpdate Driver management
	PXE 2.1 Boot code
	Wake up from S5 (off mode)
	iAMT 11.0 (depending on processor)
	Intel® vPro™ technology
	WoL (Wake on LAN)

Manageability software	DeskView Client
	DeskView Instant BIOS Management
	DeskView Integration for Symantec Management Platform

Manageability

DeskView components	Inventory Management BIOS Management Driver Management Security Management Alarm Management
Supported standards	WMI PXE BootP (made4you)
Manageability link	http://www.fujitsu.com/fts/solutions/high-tech/dynamic-infrastructure/solutions/workplace/manageability/feature-finder.html

Security

Physical Security	Kensington Lock support
System and BIOS Security	Advanced Theft Protection Computrace® enabled BIOS EraseDisk (optional) Write protect option for the Flash EPROM Trusted Platform Module (TPM 2.0)
User Security	Embedded fingerprint sensor (optional) Embedded palm vein sensor (optional) Separate SmartCard slot Hard disk password User and supervisor BIOS password Preboot Authentication with SystemLock 3

Warranty

Warranty period	3 years (depending on country)
Warranty type	Collect & Return Service / Bring-in Service (depending on country)
Warranty Terms & Conditions	http://support.ts.fujitsu.com/warranty
Product Support 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

Port Replicator for LIFEBOOK U745, T7, E5, E7 Series and CELSIUS H730, H760



Flexibility, expandability, desktop replacement, investment protection – to name just a few benefits of Fujitsu's docking options.

Order Code:
S26391-F1337-L109

Prestige Top Case 15



The Prestige Top Case 15 protects notebooks with up to 15.6-inch screens. A padded top-loading notebook compartment made of shock-absorbing foam ensures additional protection. It's front pouch is ideal for storing of power adaptors, office supplies or personal items. It is the perfect business case in a practical design.

Order Code:
S26391-F1194-L50

Wireless Mouse Touch W1910



The Fujitsu Wireless Mouse Touch W1910 has a special touch sensitive surface that recognizes when your hand touches the mouse even before you move it. This provides nearly instantaneous wake-up from the intelligent energy saving sleep mode. Unbeatable responsiveness combines with features like switchable resolution, and three programmable buttons for a unique user experience.

Order Code:
S26381-K465-L100

More information

Fujitsu OPTIMIZATION Services

In addition to the FUJITSU Workstation CELSIUS H770, 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 H770, 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>



Copyrights

All rights reserved, including intellectual property rights. Changes to technical data reserved. 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 manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner. For further information see www.fujitsu.com/terms
© 2017 Fujitsu Technology Solutions GmbH

Disclaimer

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 manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.

Contact

Fujitsu Technology Solutions
Website: www.fujitsu.com/fts
2017-07-06 CE-EN

All rights reserved, including intellectual property rights. Changes to technical data reserved. 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 manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner. For further information see www.fujitsu.com/terms
© 2017 Fujitsu Technology Solutions GmbH