

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

<b>Base unit</b>	CELSIUS H770
<b>Operating systems</b>	
<b>Operating system pre-installed</b>	Windows 10 Pro
<b>Operating system compatible</b>	Windows 10 Pro
<b>Processor</b>	
	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)
<b>Memory modules</b>	
	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
<b>Hard disk drives (internal)</b>	
	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
<b>Hard disk notes</b>	One Gigabyte equals one billion bytes, when referring to hard disk drive capacity. Accessible capacity may vary, also depending on used software.
<b>Modular bay options</b>	
	2nd battery
	Blu-ray Disc™ Triple Writer
	DVD Super Multi
	Weight saver
<b>Interface add on cards/components (optional)</b>	
<b>3G/4G (optional)</b>	Sierra Wireless AirPrime® EM7305 LTE/HSPA+ (LTE/UMTS module)
<b>WLAN (optional)</b>	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
<b>Display</b>	
	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 <sup>2</sup> , 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 <sup>2</sup> , 85/85/85
	39.6 cm (15.6-inch), IPS LED backlit, (Full HD), Anti-glare display, magnesium, 1,920 x 1,080 pixel
<b>Camera</b>	Optional: Built-in webcam, 2.0 megapixel
<b>Microphone</b>	2x digital (optional)

# Base unit

Base unit	CELSIUS H770
<b>Mainboard</b>	
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

<b>Display</b>	
Display notes	ISO 9241-307 - Pixel class II - anti-glare level UHD - Viewing angle: Left/Right/Top/Bottom 80°min.; Color Gammut: 72%; Brightness: 300cd/m <sup>2</sup> ; Contrast Ratio: 700 typ. FHD premium - Viewing angle: Left/Right/Top/Bottom 80°min.; Color Gammut: 72%; Brightness: 300cd/m <sup>2</sup> ; Contrast Ratio: 700 typ. FHD - Viewing angle: Left/Right/Top/Bottom 80°min.; Color Gammut: 45%; Brightness: 250cd/m <sup>2</sup> ; Contrast Ratio: 700 typ.

<b>Graphics</b>	
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)

<b>Interfaces</b>	
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

<b>Port Replicator interfaces (optional)</b>	
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

**Port Replicator interfaces (optional)**

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
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	<a href="https://sp.ts.fujitsu.com/sites/certificates">https://sp.ts.fujitsu.com/sites/certificates</a>

**Additional Software**

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

**Manageability**

<b>Manageability technology</b>	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)
<b>Manageability software</b>	DeskView Client DeskView Instant BIOS Management DeskView Integration for Symantec Management Platform
<b>DeskView components</b>	Inventory Management BIOS Management Driver Management Security Management Alarm Management
<b>Supported standards</b>	WMI PXE BootP (made4you)
<b>Manageability link</b>	<a href="http://www.fujitsu.com/fts/solutions/high-tech/dynamic-infrastructure/solutions/workplace/manageability/feature-finder.html">http://www.fujitsu.com/fts/solutions/high-tech/dynamic-infrastructure/solutions/workplace/manageability/feature-finder.html</a>

**Security**

<b>Physical Security</b>	Kensington Lock support
<b>System and BIOS Security</b>	Advanced Theft Protection Computrace® enabled BIOS EraseDisk (optional) Write protect option for the Flash EPROM Trusted Platform Module (TPM 2.0)
<b>User Security</b>	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**

<b>Warranty period</b>	3 years (depending on country)
<b>Warranty type</b>	Collect & Return Service / Bring-in Service (depending on country)
<b>Warranty Terms &amp; Conditions</b>	<a href="http://support.ts.fujitsu.com/warranty">http://support.ts.fujitsu.com/warranty</a>
<b>Product Support Services - the perfect extension</b>	
<b>Recommended Service</b>	9x5, Onsite Response Time: Next Business Day
<b>Spare Parts availability</b>	5 years after end of product life
<b>Service Weblink</b>	<a href="http://www.fujitsu.com/fts/services/support">http://www.fujitsu.com/fts/services/support</a>

## Recommended Accessories

Port Replicator for LIFEBOOK 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

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**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. Its 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

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**Wireless Mouse Touch WI910**



The Fujitsu Wireless Mouse Touch WI910 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/](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 H770, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website. [www.fujitsu.com/fts/CELSIUS](http://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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