Fujitsu recommends Windows.

Data Sheet
FUJITSU CELSIUS H770
Mobile Workstation

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
- 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.22 SSDs PCIe NVMe technology supports quick loading of core applications

Full connectivity and worry-free docking experience
No compromise in terms of port connectivities - whether you are travelling, in meetings or sitting 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 and1x DisplayPort (Full size)
- One port replicator shared across eight 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 tat authenticates users through vein patten recognition
- Optional fingerprint sensor
- Integrated SmartCard reader
- TPM 2.0 and Advanced Theft Protection

COMPONENTS

Base Unit	CELSIUS H770
Operating System	Windows 10 Pro
Processor	Intel® Xeon® processor E3-1505M v6 (3.0 GHz, up to 4.0 GHz, 8 MB, Intel® HD Graphics P630) Intel® Core™ i7-7820HQ processor (2.9 GHz, up to 3.9 GHz, 8 GB, Intel® HD Graphics 630)
Memory modules	8GB (2x 4GB) DDR4 2400Mhz 16GB (2x 8GB) DDR4 2400Mhz 16GB (2x 8GB) DDR4 2400Mhz, ECC 32GB (2x 16GB) DDR4 2400Mhz 32GB (2x 16GB) DDR4 2400Mhz, ECC
Hard disk drives (internal)	SSHD SATA III, 5400 rpm, 500 GB SSHD SATA III, 5400 rpm, 1 TB SSD SATA III, 512 GB SSD SATA III, 512 GB, SED SSD SATA III, 1 TB, SED PCIe-SSD, 512GB, SED PCIe-SSD, 1 TB, 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. Up to 20 GB of HDD space is reserved for system recovery Internal HDD interface: S-ATA III (6GBit/s)
Modular Bay Options	2nd bay battery DVD Super Multi Weight Saver
Interface add on cards/components (optional)	
4G/LTE (Optional)	LTE Sierra Wireless EM7305 (Downlink speed up to 100 Mbit/s, Uplink speed up to 50 Mbit/s)
WLAN (Optional)	Intel® Dual Band Wireless-AC 8265 802.11ac/a/b/g/n (2x2) and Bluetooth® 4.2 Combo
Display	39.6 cm (15.6-inch), LED backlight, (Full HD), Anti-Glare, WVA, 1,920 x 1,080 pixel, 700:1, 300 cd/m² 39.6 cm (15.6-inch), LED backlight, (4K UHD), Anti-glare, WVA, 3,840 x 2,160 pixel, 700:1, 300 cd/m²
Multimedia	
Camera (Optional)	Built-in webcam, 2.0 megapixel
Microphone	2x digital

Base unit

Base unit	CELSIUS H770
General system information	
Chipset	Intel® QM175 or CM238 (depending on CPU)
Supported capacity RAM (min.)	8 GB
Supported capacity RAM (max.)	64 GB
Memory slots total	4 DIMM (DDR4)
Memory notes	Memory Slots are depending on processor type. 2 DIMM slots with dual core processors, 4 DIMM slots with quad core processor
LAN	Built-in 10/100/1000 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 [Full HD] Viewing angle: Left/Right 85°, Top 85°, Bottom 85°; Color Gamut: 72% [4K UHD] Viewing angle: Left/Right 85°, Top 85°, Bottom 85°; Color Gamut: 72%
Graphics	

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Graphics card	NVIDIA® Quadro® M1200M 4GB GDDR5: 640 CUDA Cores NVIDIA® Quadro® M2200M 4GB GDDR5: 1024 CUDA Cores
Graphics features	DualView 3 Display Support (2 external, 1 internal) 5 Display Support w/ Port Replicator (4 external, 1 internal)
Max. resolution (DisplayPort)	Up to 4,096 x 2,160
Max. resolution (USB Type-C DP)	Up to 4,096 x 2,160
Max. resolution (D-SUB)	Up to 1,920 x 1,200
Max. resolution (DisplayPort 1,2 on Port Replicator)	Up to 4,096 x 2,160
Max. resololution (DVI on Port Replicator)	Up to 1,920 x 1,200
Max. resolution (D-SUB on Port Replicator)	Up to 1,920 x 1,200
Interfaces	
DC-in	1
Audio: line-in / microphone	1
Audio: line-out / headphone	1
Internal microphones	2 digital microphones (array)
USB 2.0 total	1
USB 3.1 Gen1 total	2
USB 3.1 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
Memory card slots	1 (SD/SDHC) SD/microSD = 2GB, SDHC/micro SDHC = 32GB, SDXC = 64GB
SmartCard slot	1
SIM card slot	1 (only for models with integrated 4G/LTE module)
Kensington Lock Support	1
Port Replicator interfaces (optional)	
DC-in	1 (19V)
Power on switch	1
Audio: headphone	1
Audio: microphone	1
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 (Port rep & System)
eSATA	1
Notes	Port replicator supports 0-Watts functionality
Keyboard and pointing devices	
	US Keyboard w/o Backlight Number of keyboard keys: 104 (w/10 keys), Keyboard pitch: 18.4 mm, Keyboard stroke: 1.7 mm Touchpad with three mouse buttons ECO Button Status LED Power Button
Wireless technologies	
Antennas	2 Dual band WLAN antennas, 2 UMTS/LTE antennas optional, 1 Bluetooth antenna shared with WLAN
Bluetooth	Bluetooth® 4.1 (Win10)
WLAN encryption	WEP, WPA, WPA2
WLAN notes	Import and usage according to country-specific regulations.
WiDi support	Yes (with Intel W-LAN)
Power supply	
AC Adapter	19 V / 150 W (7.89 A), 100 V - 240 V, 50 Hz - 60 Hz, 3-pin (grounded) AC Adapter

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Battery	1st Battery: Li-Ion battery 6-cell, 72 Wh 2nd Bay Battery: Li-Ion battery 6-cell, 28 Wh
1st Battery Run-time	Up to 11hrs (MobileMark® 2014)
1st and 2nd Battery Run-time	Up to 14hrs (MobileMark® 2014)
Battery notes	Battery runtime information is based on worldwide acknowledged BAPCo® MobileMark® 2014 (office productivity). Refer to www.bapco.com 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)	380.0 x 257.0 x 24.8-31.9 mm (w/o bump)
Weight	Start from 2.75 kg (6.1 lbs)
Weight notes	Actual weight may vary depending on configuration
Operating ambient temperature	5 - 35 ℃ (41 - 95 ℉)
Operating relative humidity	20 - 80 % (relative humidity, non-condensing)

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

Additional Software	
Additional Software (preinstalled)	Fujitsu Anytime USB Charge Utility Fujitsu Battery Utility Fujitsu Bonus Apps Fujitsu Function Manager Fujitsu LIFEBOOK Application Panel Fujitsu Mic Mute Utility Fujitsu Mobility Center Extension Utility Fujitsu Software AutoInstaller Fujitsu Workplace Protect Microsoft® Office 2016 Trial McAfee Multi Access 60 days Trial
Additional Software (optional)	Sierra Wireless Skylight (optional with WWAN) CyberLink PowerDVD (optional with DVD Super Multi) Recovery DVD for Windows®

Manageability	
Manageability technology	PXE 2.1 Boot code Wake up from S5 (off mode) WoL (Wake on LAN) Intel® vPro™ technology (depending on CPU) iAMT 11.0 (depending on CPU)
Supported standards	WMI, PXE

Security	
Physical Security	Kensington Lock support
System and BIOS Security	Optional: Discrete Trusted Platform Module (TPM 2.0) Optional: Fujitsu EraseDisk
User Security	Hard disk password User and supervisor BIOS password Embedded fingerprint sensor (optional) Embedded palm vein sensor (optional) Smartcard reader (integrated) Fujitsu Workplace Protect (secure authentication solution)

Warranty	
Standard warranty	3 years (depending on country)
Service level	Bring-in Service (depending on country specific requirements)

Maintenance and Support Services	
Recommended service	3 years, 9x5, Response Time: Next Business Day
Spare Parts availability	5 years after end of product life

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Recommended Accessories

| **Classic Port Replicator** | Flexibility, expandability, desktop replacement and investment protection are just a few benefits of Fujitsu docking options. It takes just a second to attach your notebook to the Port Replicator and get connected to your external display, keyboard and mouse. Your workplace is simple and tidy while you are instantly ready to work with your notebook.

Compatible Models: LIFEBOOK U745, T7, E5, E7, CELSIUS H730, H760 |
| **Fujitsu Prestige Backpack** | The FUJITSU Prestige Backpack 17 protects notebooks with up to 17-inch displays. It contains three large compartments, two elastic mesh side pockets and a front bay. The padded back compartment provides protection for your notebook, while other sections store power adaptors and office supplies. Padded shoulder straps and back cushions provide comfort on the move. |
| **Fujitsu Display P24-8 WS Pro** | The FUJITSU P24-8 WS Pro display (24-inch, 16:10) provides outstanding picture performance thanks to cutting edge panel technology. It is the perfect choice for CAD and document management applications with request for 1,200 lines. It also boasts unique and innovative features such as our patent-applied Presence Sensor technology and USB support during standby. |

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More information

Fujitsu platform solutions

In addition to Fujitsu CELSIUS H770, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Dynamic Infrastructures

With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to data centre solutions, Managed Infrastructure and Infrastructure-as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

Computing Products

www.fujitsu.com/global/services/computing

More information

To learn more about Fujitsu CELSIUS H770, please contact your Fujitsu sales representative, Fujitsu Business partner, or visit our website.
http://hk.fujitsu.com/pc

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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