

Fujitsu recommends Windows 10 Pro.

Data Sheet

FUJITSU Workstation CELSIUS H970 Workstations

Bringing VR to the Streets

Ever wished your laptop could go the distance, even into the future? The FUJITSU CELSIUS H970 17.3-inch mobile workstation pushes the limits in terms of graphics capabilities, storage and connectivity. Do your post-productions in the field, create astounding designs and visualize them in a fully immersive, real-time VR environment.



No limits - desktop workstation replacement at your fingertips

Enjoy the best out of two worlds: workstation performance and notebook portability - at your desk or on the go

- Choose between Intel® Core™ processors or powerful Intel® Xeon® processor E3-1500M family supporting ECC memory
- Support of Windows 10 Pro
- 17.3-inch (43.9 cm) full HD LED anti-glare display
- Up to 64 GB DDR4 memory (4 SODIMM slots)
- Dual M.2 SSDs PCIe NVMe technology support quick loading of your applications
- Integrated Intel graphics for maximum energy efficiency when working on office applications paired with the latest NVIDIA® Quadro® Pascal technology for blazing performance (up to 2048 CUDA cores)
- Thunderbolt 3 port replicator
- Made in Germany

Stop searching for an adapter

In a hyper-connected world there is no need to compromise, regardless of whether you are at the customer site, at an event, in a meeting or in the office

- Thunderbolt™ 3 port replicator
- 2x Thunderbolt™ 3: USB Type-C™ connector offering speed (40 GBit/s), protocols (including Thunderbolt™ 3) and charging capabilities (power delivery of 15W) for e.g. mobile phone or power bank. The mobile workstation requires a power supply with 250W.
- Full monitor connectivity: 2x DisplayPort via USB Type-C™, 1x full-size DisplayPort and 1x VGA
- Up to 9 hours of battery life

We are (VR) ready

Architects, engineers and designers can now showcase their work in a real-time, fully immersive VR environment

- Powered by the NVIDIA® Quadro® P4000 and P5000 VR-ready graphics cards
- Ideal for mobile VR showcases at the customer site or at an event

Easy serviceability

Faster access to all components and easy upgrade of your system

- Removable battery and service door at the bottom



Components

Base unit	CELSIUS H970 i5-7440HQ - S26391-K456-V110	CELSIUS H970 i7-7820HQ - S26391-K456-V120	CELSIUS H970 E3-1505Mv6 - S26391-K456-V130	CELSIUS H970 E3-1535Mv6 - S26391-K456-V140
Operating system preinstalled	Windows 10 Pro	Windows 10 Pro	Windows 10 Pro	Windows 10 Pro
Operating system pre-installed	Windows 10 Pro	Windows 10 Pro	Windows 10 Pro	Windows 10 Pro
Operating system compatible	Windows 10 Pro	Windows 10 Pro	Windows 10 Pro	Windows 10 Pro
Operating system notes	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 .	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 .	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 .	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 .
Graphics	High-end 3D: NVIDIA® Quadro® P5000, 16 GB High-end 3D: NVIDIA® Quadro® P4000, 8 GB High-end 3D: NVIDIA® Quadro® P3000, 6 GB			
Memory modules	16 GB (2 module(s) 8 GB) DDR4, ECC, 2,400 MT/s, PC4-2400, SO DIMM 32 GB (2 module(s) 16 GB) DDR4, ECC, 2,400 MT/s, PC4-2400, SO DIMM			
Hard disk drives (internal)	HDD SATA III, 5,400 rpm, 500 GB HDD SATA III, 5,400 rpm, 1 TB SSD SATA III, 256 GB, M.2 module SSD SATA III, 256 GB, M.2 module, SED SSD SATA III, 512 GB, M.2 module, SED SSD SATA III, 1024 GB, M.2 module, SED PCIe-SSD, NVMe, 256 GB, M.2 module			
Hard disk drives (internal)	PCIe-SSD, NVMe, 256 GB, M.2 module, SED PCIe-SSD, NVMe, 512 GB, M.2 module, SED PCIe-SSD, NVMe, 1024 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.			
Interface add on cards/components (optional)				
3G/4G (optional)	Sierra Wireless EM7305			
Multimedia				
Camera	Built-in webcam, 2.0 megapixel			
Camera notes	2 microphones integrated			

Base unit

Base unit	CELSIUS H970 i5-7440HQ - S26391-K456-V110	CELSIUS H970 i7-7820HQ - S26391-K456-V120	CELSIUS H970 E3-1505Mv6 - S26391-K456-V130	CELSIUS H970 E3-1535Mv6 - S26391-K456-V140
Mainboard				
Processor	Intel® Core™ i5-7440HQ processor	Intel® Core™ i7-7820HQ processor	Intel® Xeon® processor E3-1505M v6	Intel® Xeon® processor E3-1535M v6
	(4 Cores / 4 Threads, up to 3.8 GHz)	(4 Cores / 8 Threads, up to 3.9 GHz)	(4 Cores / 8 Threads, up to 4.0 GHz)	(4 Cores / 8 Threads, up to 4.2 GHz)
Chipset	Intel® QM175 or CM238 (depending on CPU)	Intel® QM175 or CM238 (depending on CPU)	Intel® QM175 or CM238 (depending on CPU)	Intel® QM175 or CM238 (depending on CPU)
Supported capacity RAM (min.)	8 GB	8 GB	8 GB	8 GB
Supported capacity RAM (max.)	64 GB	64 GB	64 GB	64 GB
Memory slots	4 SO DIMM (DDR4, 2133 MHz)	4 SO DIMM (DDR4, 2133 MHz)	4 SO DIMM (DDR4, 2133 MHz)	4 SO DIMM (DDR4, 2133 MHz)
LAN	10/100/1,000 MBit/s Intel® I219LM	10/100/1,000 MBit/s Intel® I219LM	10/100/1,000 MBit/s Intel® I219LM	10/100/1,000 MBit/s Intel® I219LM
Integrated WLAN	Intel Dual Band Wireless-AC8265	Intel Dual Band Wireless-AC8265	Intel Dual Band Wireless-AC8265	Intel Dual Band Wireless-AC8265
BIOS features	InsydeH2O BIOS	InsydeH2O BIOS	InsydeH2O BIOS	InsydeH2O BIOS
Audio type	On board	On board	On board	On board
Audio codec	Realtek ALC255	Realtek ALC255	Realtek ALC255	Realtek ALC255
Audio features	Stereo speakers, 2 digital microphones	Stereo speakers, 2 digital microphones	Stereo speakers, 2 digital microphones	Stereo speakers, 2 digital microphones

Display				
Display	43.9 cm (17.3-inch),LED backlit,(Full HD),Anti-glare IPS display,1,920 x 1,080 pixel,300:1,300 cd/m ²	43.9 cm (17.3-inch),LED backlit,(Full HD),Anti-glare IPS display,1,920 x 1,080 pixel,300:1,300 cd/m ²	43.9 cm (17.3-inch),LED backlit,(Full HD),Anti-glare IPS display,1,920 x 1,080 pixel,300:1,300 cd/m ²	43.9 cm (17.3-inch),LED backlit,(Full HD),Anti-glare IPS display,1,920 x 1,080 pixel,300:1,300 cd/m ²
Display notes	ISO 9241-307 - Pixel class II	ISO 9241-307 - Pixel class II	ISO 9241-307 - Pixel class II	ISO 9241-307 - Pixel class II
Brightness - typical	300 cd/m ²	300 cd/m ²	300 cd/m ²	300 cd/m ²
Contrast - typical	300:1	300:1	300:1	300:1

Graphics				
Base unit	CELSIUS H970 i5-7440HQ - S26391-K456-V110	CELSIUS H970 i7-7820HQ - S26391-K456-V120	CELSIUS H970 E3-1505Mv6 - S26391-K456-V130	CELSIUS H970 E3-1535Mv6 - S26391-K456-V140
Max. resolution external display	3,840 x 2,160 pixel via DisplayPort and Type-C and 1,920 x 1,200 pixel via VGA	3,840 x 2,160 pixel via DisplayPort and Type-C and 1,920 x 1,200 pixel via VGA	3,840 x 2,160 pixel via DisplayPort and Type-C and 1,920 x 1,200 pixel via VGA	3,840 x 2,160 pixel via DisplayPort and Type-C and 1,920 x 1,200 pixel via VGA
Max. resolution display port	3,840 x 2,160 pixel	3,840 x 2,160 pixel	3,840 x 2,160 pixel	3,840 x 2,160 pixel
Graphics brand name	NVIDIA® Quadro® P3000, NVIDIA® Quadro® P4000, NVIDIA® Quadro® P5000	NVIDIA® Quadro® P3000, NVIDIA® Quadro® P4000, NVIDIA® Quadro® P5000	NVIDIA® Quadro® P3000, NVIDIA® Quadro® P4000, NVIDIA® Quadro® P5000	NVIDIA® Quadro® P3000, NVIDIA® Quadro® P4000, NVIDIA® Quadro® P5000
Graphics features	NVIDIA® Quadro® P3000: 1280 CUDA Cores NVIDIA® Quadro® P4000: 1792 CUDA Cores NVIDIA® Quadro® P5000: 2048 CUDA Cores	NVIDIA® Quadro® P3000: 1280 CUDA Cores NVIDIA® Quadro® P4000: 1792 CUDA Cores NVIDIA® Quadro® P5000: 2048 CUDA Cores	NVIDIA® Quadro® P3000: 1280 CUDA Cores NVIDIA® Quadro® P4000: 1792 CUDA Cores NVIDIA® Quadro® P5000: 2048 CUDA Cores	NVIDIA® Quadro® P3000: 1280 CUDA Cores NVIDIA® Quadro® P4000: 1792 CUDA Cores NVIDIA® Quadro® P5000: 2048 CUDA Cores

S26391-K456-V110 CELSIUS H970 i5-7440HQ

DC-in	1
Audio	1 combo in/out
Audio: line-out	1
Internal microphones	2 digital array microphones
USB 3.1 Gen1 (USB 3.0) total	3
USB Type-C	2 (USB 3.1 Gen2 (10 Gbps), Thunderbolt 3 (20/40Gbps), Power Delivery (15W), DP 1.2)

S26391-K456-V110 CELSIUS H970 i5-7440HQ

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 = 512GB
Interface Module notes	1x Kensington Lock support

Port Replicator interfaces (optional)

DC-in	1x
Audio: line-in / microphone	1x
Audio: line-out / headphone	1x
USB 2.0 total	2x
USB 3.1 Gen1 (USB 3.0) total	2x
DisplayPort	2x (1x through from TBT3 TypeC, 1x via internal DP-Splitter), resolution up to 3840 x 2160
VGA	1x (via TBT3 internal DP-splitter) resolution up to 1920 x 1200, 16M colors, 60Hz
DVI	1x (via TBT3 internal DP-splitter) resolution up to 1920 x 1200, 16M colors, 60Hz
Interface Notes	at least 250W power supply required for mobile workstation
Notes	Thunderbolt Port Replicator

Keyboard

Touchpad with three mouse buttons

Input devices (optional)

TouchStick

Antennas

Integrated WLAN	Intel Dual Band Wireless-AC8265
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AC Adapter

AC adapter	19.5 V / 250 W (13 A)
Rated voltage range	100 V - 240 V (AC Input)
Rated frequency range	50 Hz - 60 Hz
Runtime 1st battery	up to 9 hours

Dimension with stand (W x D x H)

Dimensions (W x D x H)	418.0 x 288.0 x 30.0 mm w/o rubber mm
	16.46 x 11.34 x 1.18 inch w/o rubber inch

Weight	3.3 kg
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Weight notes	Actual weight may vary depending on configuration
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Operating ambient temperature	5 - 35 °C (41 - 95 °F)
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Operating relative humidity	20 - 80 % (relative humidity, non-condensing)
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Product	CELSIUS H970
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Europe	CE Marking
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Global	RoHS (EU & China)
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Compliance link	https://sp.ts.fujitsu.com/sites/certificates
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Additional Software

Additional software (preinstalled)	Adobe® Reader® (pdf reader) McAfee® LiveSafe™ (provides award-winning antivirus protection for your PC and much more. 30 days trial pre-installed) 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 (1 month trial for new Microsoft® Office 365 customers. Buy Microsoft Office.)
Additional software (optional)	Drivers & Utilities DVD (DUDVD) LTE / UMTS Connection Manager (if configured with 4G/LTE or 3G/UMTS)

Manageability

Physical Security	Kensington Lock support	Kensington Lock support	Kensington Lock support	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)	Advanced Theft Protection Computrace® enabled BIOS EraseDisk (optional) Write protect option for the Flash EPROM Trusted Platform Module (TPM 2.0)	Advanced Theft Protection Computrace® enabled BIOS EraseDisk (optional) Write protect option for the Flash EPROM Trusted Platform Module (TPM 2.0)	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 Separate SmartCard slot Hard disk password User and supervisor BIOS password Preboot Authentication with SystemLock 3	Embedded fingerprint sensor Separate SmartCard slot Hard disk password User and supervisor BIOS password Preboot Authentication with SystemLock 3	Embedded fingerprint sensor Separate SmartCard slot Hard disk password User and supervisor BIOS password Preboot Authentication with SystemLock 3	Embedded fingerprint sensor 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	Bring-in Service / Collect & Return Service (depending on country)
Warranty Terms & Conditions	http://www.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 5 years
Service Weblink	http://www.fujitsu.com/emeia/products/product-support-services/

Recommended Accessories

Thunderbolt™ 3 Port-Replicator



Take advantage of the USB Type-C™ connector offering more speed (40 Gbps) and more protocols.

Order Code:
S26391-F2249-L100

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

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

Display P27-8 TS UHD



The FUJITSU Display P27-8 TS UHD has a 3840 x 2160 Ultra HD resolution ships with a thin bezel housing ideal for multi-monitor use scenarios. The monitor has a 178°/178° wide viewing angle that delivers consistent picture quality, a 100% sRGB color space, ECO function, DisplayView™ IT Suite manageability software and a range of connectivity options ideal for medium- and large-sized businesses.

Order Code:
S26361-K1610-V160

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

More information

Fujitsu products, solutions & services

In addition to the FUJITSU Workstation CELSIUS H970, 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 H970, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
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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