FUJITSU

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 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
- 2x Thunderbolt™ 3: USB Type-C™ connector offering more speed (40 GBit/s), more protocols and charging capabilities (power delivery of 15W)
- 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 systems				
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
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 MHz, PC4-2400, SO DIMM			
	32 GB (2 module(s) 16 GB) DDR4, ECC, 2,400 MHz, 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			
	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)

Mainboard

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	InsydeH20 Bios	InsydeH20 Bios	InsydeH20 Bios	InsydeH20 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),TFT,(Full HD),Anti-glare display,1,920 x 1,080 pixel,300:1,300 cd/m²	43.9 cm (17.3-inch),TFT,(Full HD),Anti-glare display,1,920 x 1,080 pixel,300:1,300 cd/m²	43.9 cm (17.3-inch),TFT,(Full HD),Anti-glare display,1,920 x 1,080 pixel,300:1,300 cd/m²	43.9 cm (17.3-inch),TFT,(Full HD),Anti-glare display,1,920 x 1,080 pixel,300:1,300 cd/m²
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/m²	300 cd/m²	300 cd/m²	300 cd/m²
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

Interfaces

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 3.1 Gen2 total	1 via USB-Type-C
USB Type-C	2 (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 = 512GB
Interface Module notes	1x Kensington Lock support

Port Replicator interfaces (optional)

DC-in	1
Audio: line-in / microphone	1
Audio: line-out / headphone	1
USB 2.0 total	2
USB 3.1 Gen1 (USB 3.0) total	2

Port Replicator interfaces (optional)

VGA	1
DVI	1
Ethernet (RJ-45)	1

Keyboard

	Touchpad with three mouse buttons
Input devices (optional)	TouchStick

Antennas

Integrated WLAN	Intel Dual Band Wireless-AC8265

Power supply

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

Dimensions / Weight / Environmental

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 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

Product	CELSIUS H970
Europe	CE Marking
Global	RoHS (EU & China) 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			
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 Authentification with SystemLock 3	Embedded fingerprint sensor Separate SmartCard slot Hard disk password User and supervisor BIOS password Preboot Authentification with SystemLock 3	Embedded fingerprint sensor Separate SmartCard slot Hard disk password User and supervisor BIOS password Preboot Authentification with SystemLock 3	Embedded fingerprint sensor Separate SmartCard slot Hard disk password User and supervisor BIOS password Preboot Authentification 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

Thunderbolt 3 Port-Replicator H970		Take advantage of the USB Type-C™ connector offering more speed (40 Gbps), more protocols and charging capabilities.	Order Code: S26391-F2249-L100
			Order Code: S26391-F2249-L110
			Order Code: S26391-F2246-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-F1192-L130

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 OPTIMIZATION 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/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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