FUJITSU

Fujitsu recommends Windows.

Data Sheet
Fujitsu CELSIUS H920
Workstation

High-End Workstation Power on-the-Go

If you need ultimate workstation performance in a notebook form-factor, the Fujitsu CELSIUS H920 is your ideal choice. This individually configurable workstation, comprehensively certified for leading ISV applications, helps you maintain an efficient workflow wherever you are. Your productivity is increased by instant network access thanks to multiple embedded connectivity features. A range of hardware protection and software security features provide additional peace of mind.

High-end workstation performance
Highest productivity thanks to mobile workstation performance
- Have a choice of ultra high-end or high-end professional NVIDIA® Quadro® graphics cards with up to 960 CUDA cores; boost productivity with 3rd generation Intel® Core™ i5 & i7 processors with vPro™ technology

Superior performance and reliability
Higher productivity and speed thanks to larger screen and second HDD
- 43.9 cm (17.3-inch) Full HD LED backlight display and RAID 0/1 support with integrated second HDD

Unlimited connectivity
Online anywhere, anytime
- Optional integrated 4G/LTE, Bluetooth® and WLAN

NVIDIA® Optimus™ Technology
Increased battery runtime
- Dedicated graphics card is only used when needed

ISV certification
Excellent performance and absolute stability in professional environments
- Comprehensive certification for workstation applications

Fujitsu recommends Windows.

Components

Processor	Intel® Core™ i7-3940XM processor (3.0 GHz, up to 3.9 GHz, 8 MB)
	Intel® Core™ i7-3920XM processor (2.9 GHz, up to 3.8 GHz, 8 MB)
	Intel® Core™ i7-3840QM processor (2.8 GHz, up to 3.8 GHz, 8 MB)
	Intel® Core™ i7-3820QM processor (2.7 GHz, up to 3.7 GHz, 8 MB)
	Intel® Core™ i7-3740QM processor (2.7 GHz, up to 3.7 GHz, 6 MB)
	Intel® Core™ i7-3720QM processor (2.6 GHz, up to 3.6 GHz, 6 MB)
	Intel® Core™ i7-3630QM processor (2.4 GHz, up to 3.4 GHz, 6 MB)
	Intel® Core™ i7-3610QM processor (2.3 GHz, up to 3.3 GHz, 6 MB)
	Intel® Core™ i7-3540M processor (3.0 GHz, up to 3.7 GHz, 4 MB)
	Intel® Core™ i5-3380M processor (2.9 GHz, up to 3.6 GHz, 3 MB)
	Intel® Core™ i5-3360M processor (2.8 GHz, up to 3.5 GHz, 3 MB)
	Intel® Core™ i5-3340M processor (2.7 GHz, up to 3.4 GHz, 3 MB)
	Intel® Core™ i5-3320M processor (2.6 GHz, up to 3.3 GHz, 3 MB)
	Intel® Core™ Processor with Intel® Small Business Advantage - Smart Platform for Unmanaged Small Business
Operating systems	
Operating system	Windows 7 Professional 64-bit Windows 8 Windows 8 Pro
Operating system compatible	Windows 7 Professional 32-bit Windows 7 Professional 64-bit Windows 8 Windows 8 Pro
Graphics add on cards (optional)	High-end 3D: NVIDIA® Quadro® K3000M, 2 GB (GDDR5 VRAM)
	High-end 3D: NVIDIA® Quadro® K4000M, 4 GB (GDDR5 VRAM)
Memory modules	2 GB (1 module(s) 2 GB) DDR3, 1,600 MHz, PC3-12800, SO DIMM
	4 GB (1 module(s) 4 GB) DDR3, 1,600 MHz, PC3-12800, SO DIMM
	8 GB (1 module(s) 8 GB) DDR3, 1,600 MHz, PC3-12800, SO DIMM
Hard disk drives (internal)	SSD SATA III, 512 GB, 2.5-inch
	SSD SATA III, 256 GB, 2.5-inch
	SSD SATA III, 128 GB, 2.5-inch, FDE
	SSD SATA III, 128 GB, 2.5-inch
	HDD SATA, 7,200 rpm, 640 GB, 2.5-inch, S.M.A.R.T.
	HDD SATA, 7,200 rpm, 500 GB, 2.5-inch, S.M.A.R.T.
	HDD SATA, 5,400 rpm, 1000 GB, 2.5-inch, S.M.A.R.T.
Hard disk notes	ShockSensor for HDD shock protection One Gigabyte equals one billion bytes, when referring to hard disk drive capacity. Accessible capacity may vary, also depending on used software. Up to 2 internal disks configurable.
Optical drives	Blu-ray burner
	DVD-RW Dual Double Layer Super Multi
Interface add on cards/components (optional)	
3G/4G (optional)	Sierra Wireless MC7710 LTE/HSPA+ module
	Sierra Wireless Gobi 3000 module
WLAN (optional)	Intel® Centrino® Wireless-N 2200 802.11b/g/n Import and usage according to country-specific regulations.
	Intel® Centrino® Advanced-N 6205 802.11 a/b/g/n Import and usage according to country-specific regulations.
Bluetooth	Bluetooth 4.0

Display	43.9 cm (17.3-inch), LED backlight, (Full HD), Anti-glare display, 1,920 x 1,080 pixel

Base unit

Base unit	CELSIUS H920 Dual Core	CELSIUS H920 Quad Core
Mainboard type		
Chipset	Intel® QM77	Intel® QM77
Memory slots	2 SO DIMM (DDR3)	4 SO DIMM (DDR3)
Supported capacity RAM (min.)	2 GB	4 GB
Supported capacity RAM (max.)	16 GB	32 GB
LAN	10/100/1,000 MBit/s Intel® 82579 LM	10/100/1,000 MBit/s Intel® 82579 LM
BIOS features	BIOS based on Phoenix SecureCore	BIOS based on Phoenix SecureCore
Audio type	On board	On board
Audio codec	Realtek ALC269	Realtek ALC269
Audio features	Stereo speakers, 2 internal microphones	Stereo speakers, 2 internal microphones
Graphics		
Base unit	CELSIUS H920 Dual Core	CELSIUS H920 Quad Core
Max. resolution external display	2,560 x 1,600 pixel via DisplayPort and 1,920 x 1,200 pixel via VGA	2,560 x 1,600 pixel via DisplayPort and 1,920 x 1,200 pixel via VGA
Graphics features	DualView	DualView
Graphics card notes	NVIDIA® Quadro® 3000M: 240 cores NVIDIA® Quadro® 4000M: 336 cores	NVIDIA® Quadro® 3000M: 240 cores NVIDIA® Quadro® 4000M: 336 cores
Dedicated video memory	2 / 4 GB (GDDR5 VRAM)	2 / 4 GB (GDDR5 VRAM)
Interfaces		
DC-in	1	
Audio: in	1	
Audio: out	1	
Internal microphones	1	
USB 2.0 total	3	
USB 3.0 total	1	
VGA	1	
DisplayPort	1	
Ethernet (RJ-45)	1	
Express card slots	1 (34/54 mm)	
SmartCard slot	1	
SIM card slot	1	
Multicardreader	1 (SD up to 2 GB, SDHC up to 32 GB, SDXC up to 64 GB)	
eSATA	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	1 (up to 2560 x 1600)	
VGA	1	
DVI	1 (up to 1920 x 1200)	
Serial (RS-232)	1	
Ethernet (RJ-45)	1 (10/100/1000)	

Port Replicator interfaces (optional)

Kensington Lock support	2
eSATA	1
Notes	Port replicator does not support 0-Watt technology, must use AC Adapter 19V/210W (11,05 A).

Keyboard

	TouchStick (optional)
	Touchpad with two mouse buttons and scroll via fingerprint sensor
	EcoButton
	LockWorkstation button
	MobilityCenter Button
	Fingerprint sensor

Power supply

AC adapter	19 V / 210 W (11.05 A)
Rated voltage range	100 V - 240 V (AC Input)
Rated frequency range	50 Hz - 60 Hz
1st battery	Li-Ion battery 8-cell
Runtime 1st battery	up to 9 hours

Dimensions / Weight / Environmental

Dimensions (W x D x H)	417 x 287 x 33/44 mm
Weight	4.25 kg
Weight notes	Actual weight may vary depending on configuration
Operating ambient temperature	5 - 35 ℃
Operating relative humidity	20 - 80 % (relative humidity, non-condensing)

Compliance

Product	CELSIUS H920 Dual Core	CELSIUS H920 Quad Core
Germany	GS	
Europe	CE	
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 ENERGY STAR® 5.0 (depending on configuration)	
Compliance link	http://globalsp.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) UMTS connection manager (optional with UMTS)

Manageability

Manageability technology	DeskUpdate Driver management PXE 2.1 Boot code Wake up from S5 (off mode) iAMT Intel® Active Manageability Technology v8.0 (not activated, not set up) Intel® vPro™ technology WoL (Wake on LAN)

Manageability

Manageability software	DeskView Client DeskView Instant BIOS Management DeskView Integration for Symantec Management Platform
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	EraseDisk Advanced Theft Protection Computrace® enabled BIOS Optional: Trusted platform module (TPM 1.2) Norton Internet Security (incl. Firewall) 90 days version
User Security	Integrated Fingerprint Sensor Separate SmartCard slot Hard disk password SystemLock BIOS SmartCard security User and supervisor BIOS password Preboot Authentification with SystemLock 3

Warranty

Standard Warranty	3 years (depending on country)
Service level	Collect & Return Service / Bring-in Service (for countries within region FTS CEMEA&I, for all other countries depending on local regulations)
Warranty Terms & Conditions	http://support.ts.fujitsu.com/warranty

Maintenance and Support Services - the perfect extension

Spare Parts availability	5 years after end of product life
Service Weblink	http://www.fujitsu.com/fts/services/support

Recommended Accessories

MicroSaver Slim		The Fujitsu Kensington MicroSaver slim features the patented T-Bar locking mechanism with carbon tempered steel core cable and an external braided steel sheath. The MicroSaver slim is available with Kensington Master Access. This security solution allows you to manage and maintain a limitless number of locks with a master key.	Order Code: S26361-F1650-L200
Wireless Notebook Mouse WI610		The Wireless Notebook Mouse WI610 uses the latest wireless 2.4 GHz technology, and an ultra-high resolution switchable sensor to give you the precision and reliability you need (1000/1500/2000 dpi). Sporting a stylish silver-black finish, the WI610 wireless mouse is well suited to all environments.	Order Code: S26381-K460-L100

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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 platform solutions

In addition to FUJITSU CELSIUS H920, 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/services/computing/

Software

www.fujitsu.com/software/

More information

Learn more about FUJITSU CELSIUS H920, 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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