

# Data Sheet

## FUJITSU FUTRO S920

### Thin Client

#### The Expandable Multi-talent

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The individually configurable FUJITSU FUTRO S920 has all the flexibility you need to optimize secure server-based computing and desktop virtualization. This simple, reliable yet powerful front-end device is easy to integrate and manage. It also offers expansion slots and unique connectivity options to maximize user convenience. Plus, its long lifecycle helps you minimize TCO.

#### Green technology

Your company's contribution to environmental protection

- A modern, environmentally conscious product concept - from development to recycling

#### Relaxed working

Quiet system for a pleasant working environment

- Flash memory and passive cooling concept

#### Energy efficiency

Saves energy and reduces CO2 emissions

- Integrated system concept with power-saving components

#### Manageability

Easy administration while reducing total cost of ownership

- Outstanding manageability solution

#### Backpack solution

Less space needed

- The FUJITSU FUTRO S920 can be mounted behind a display



# Technical details Components

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
Graphics	DVI to VGA Adapter
	DP to DVI-D (single link) Adapter Cable
	AMD FirePro™ V3900, 1 GB
Hard disk drives (internal)	mSATA, 2 GB Flash drive (SLC technology)
	mSATA, 4 GB Flash drive (SLC technology)
	mSATA, 8 GB Flash drive (MLC technology)
	mSATA, 8 GB Flash drive (SLC technology)
	mSATA, 16 GB Flash drive (MLC technology)
	mSATA, 32 GB Flash drive (MLC technology)
Interface add on cards/components (optional)	
	WLAN Atheros 802.11a/b/g/n
	PCIe Riser
	Parallel Port
	Internal speaker
	Dual serial card PCIe x1
	3rd COM port (RS232)
	2nd LAN/Power-over-Ethernet module
Base unit	FUTRO S920
Operating system and software (Linux)	
Operating system	eLux™ RP – Embedded Linux
Functions	Citrix® Receiver for Linux (for ICA / HDX protocol), V12.1.6.0-5
	Citrix® HDX RealTime Media Engine, V1.4.0.902-1
	VMware® View Client (for PCoIP protocol), V5.2.1.1-3 (optional)
	FreeRDP Client (for RDP protocol), V1.0.2.1-10
	RDPConnect, V3.1-1
	Adobe® Flash Player 11 for Linux, V11.2.202.297-1
	Mozilla Firefox® Browser, V17.0.5-3
	VPN System, V4.1-1
	ThinPrint® client, V7.0.41-1
	Bios_tools for remote BIOS updates via Scout Enterprise), V1.0-1
Manageability	PowerTerm InterConnect, V7.1.2-3, (requires additional license for activation)
	Updates and all available software packages for eLux™ RP can be downloaded from <a href="http://www.mylux.com">www.mylux.com</a>
Operating system and software (Windows)	
Operating system	Windows Embedded Standard 7 (WS7P)

**Operating system and software (Windows)**

<b>Functions</b>	Language: EN, DE (FR, IT, ES in addition for pre-installation 1) Citrix Receiver Enterprise 4.1 VMware View Horizon Client 2.3 RDP-Client Protocol V 8.0 with RemoteFX Scout Agent for WES 7 (Build 62) WEDM Microsoft Windows Embedded Device Manager Sumatra PDF Reader 2.1.1 DotNET Framework 2.0, 3.0, 3.5 (4.0 in addition for pre-installation 1) Internet Explorer 9 Media Player 12 Premium Multimedia Codecs Adobe Flashplayer 11.5 Security (SmartCard Reader support) FBWF File Base Write Filter, EWF Enhanced Write Filter
<b>Manageability</b>	Scout Enterprise, flash memory management, embedded operating system update and system monitoring, managing devices by location, group or user, individual operating system composition with ELIAS
<b>VPN (Windows)</b>	VPN through CUZ available

**Mainboard**

<b>Mainboard type</b>	D3313-A
<b>Formfactor</b>	miniITX
<b>Processor options</b>	AMD G-Series GX-415GA (1.50 GHz, Quad Core, 2 MB, AMD Radeon™ HD 8330E)
<b>Processor quantity maximum</b>	1
<b>LAN</b>	Built-in 10/100/1,000 MBit/s
<b>BIOS features</b>	BIOS Flash EPROM update by software Recovery BIOS Unified Extensible Firmware Interface (UEFI)
<b>Audio type</b>	On board
<b>Audio codec</b>	Realtek ALC671

**Slots**

<b>PCI-Express x4 (mech x16)</b>	1 x (155 mm / ) low profile (optional)
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**Interfaces**

	FUTRO S920
<b>Audio: line-in</b>	1
<b>Audio: line-out</b>	1
<b>Front audio: headphone</b>	1
<b>Front audio: line-in / microphone</b>	1
<b>USB 2.0 total</b>	6
<b>USB 3.0 total</b>	2
<b>USB front</b>	2
<b>USB rear</b>	4
<b>USB internal</b>	2
<b>DisplayPort</b>	1 DP
<b>DVI</b>	1 DVI-I (integrated VGA can be used with DVI-VGA adapter)
<b>Serial (RS-232)</b>	2 external, 1 additional optional
<b>Mouse / Keyboard (PS/2)</b>	2
<b>Ethernet (RJ-45)</b>	1
<b>Parallel</b>	1 (optional)

**Graphics**

<b>Graphics brand name</b>	AMD Radeon™ HD 8330E (in combination with AMD G-Series GX-415GA)
<b>Graphics color depth</b>	32 bit colors
<b>Shared video memory</b>	up to 256 MB
<b>TFT resolution (VGA)</b>	up to 1,920 x 1,200 pixel
<b>TFT resolution (DVI)</b>	up to 1,920 x 1,200 pixel
<b>TFT resolution (DisplayPort)</b>	up to 2,560 x 1,600 pixel

**Graphics**

Graphics features	DirectX 11 Shader Model 5 Open CL® 1.1 (depending on CPU) OpenGL® 4.1
Graphics notes	Graphics resolution depending on operating system and management solution.

**Network**

Network	TCP/IP with DNS and DHCP Point-to-Point protocol Supported Citrix Load Balancing over ICA DHCP support for automatic firmware upgrades and unit configuration Multiple master browser support on ICA
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**Electrical values**

Rated voltage range	100 V - 240 V (AC Input)
Rated frequency range	50 Hz - 60 Hz
Operating voltage range	100 V - 240 V (AC Input)
Operating line frequency range	50 Hz - 60 Hz

**Power consumption for standard configuration with Windows Embedded Standard**

Power consumption: Maximum (S0, running appl.)	11.8 W (typical configuration)
Power consumption: Idle (S0, running OS, Idle mode)	4.3 W (typical configuration)
Power consumption: Minimum (ACPI status S5, soft off, WOL enabled)	0.58 W (typical configuration)

**Dimensions / Weight / Environmental**

Dimension with stand (W x D x H)	97 x 191 x 266 mm
Operating position	Vertical / horizontal
Weight	1,3 kg
Weight notes	Actual weight may vary depending on configuration
Operating ambient temperature	10 - 35 °C
Operating relative humidity	5 - 85 % (relative humidity)

**Compliance**

Product	FUTRO S920
Model	TCS-D3313A
Compliance notes	Energy Star compliance may vary depending on actual configuration
Compliance link	<a href="http://globalsp.ts.fujitsu.com/sites/certificates">http://globalsp.ts.fujitsu.com/sites/certificates</a>



**Security**

System and BIOS Security	Write protection for the Flash module Optional: Trusted platform module (TPM 1.2)
User Security	Access protection via internal SmartCard reader (optional)

**Warranty**

Standard Warranty	2 years (depending on country)
Service level	Bring-in Service (for countries within region FTS CEMEA&I, for all other countries depending on local regulations, minimum: 2 years material warranty)
Warranty Terms & Conditions	<a href="http://support.ts.fujitsu.com/warranty">http://support.ts.fujitsu.com/warranty</a>
<b>Maintenance and Support Services - the perfect extension</b>	
Recommended Service	9x5, Response Time: Next Business Day
Spare Parts availability	5 years after end of product life
Service Weblink	<a href="http://www.fujitsu.com/fts/services/support">http://www.fujitsu.com/fts/services/support</a>

# Recommended Accessories

<b>Midspan Micro Semi PD-9501G</b>		Midspan Micro Semi PD-9501G is a single port Power over Ethernet solution, specially designed to power IEEE 802.11n and other high power Ethernet end Terminals with 60W. It is fully backward compatible and easy to implement in your existing Ethernet infrastructure.	Order Code: S26361-F1744-L10
<b>Midspan Micro Semi PD-9512G</b>		Midspan Micro Semi PD-9512G is a Power over Ethernet solution with 12 ports, -72W per port, specially designed to power network devices like cameras, access control systems, Thin Clients and other Ethernet end terminals. It is fully backward compatible and supports IPv4 and IPv6.	Order Code: S26361-F1744-L20

# More information

## Fujitsu OPTIMIZATION Services

In addition to FUJITSU FUTRO S920, 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/](http://www.fujitsu.com/global/services/computing/)

### Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

## More information

Learn more about FUJITSU FUTRO S920, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website. [www.fujitsu.com/fts/FUTRO](http://www.fujitsu.com/fts/FUTRO)

## 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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