Data Sheet
FUJITSU Thin Client FUTRO S920

The Expandable Multi-talent

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-I to VGA Adapter
	DP to DVI-D (single link) Adapter Cable
	AMD FirePro™ W2100, 2 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)
	mSATA, 64 GB Flash drive (MLC technology)
Interface add on cards/components (optional)	
	WLAN Atheros 802.11a/b/g/n
	PCIe Riser
	Parallel Port
	Internal speaker
	Intel® Dual Band Wireless-AC 7260
	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	eLux™ RP 4 or 5 – Embedded Linux eLux™ RP 5: BaseOS eLux™ RP, V5.1.0-1 ICA client, V13.3.0.1-6 VMware® Horizon View Client, V5.7.1.1-1 (optional) FreeRDP, V1.1.0.2-6 Adobe® Flash Player 11 for Linux, V11.2.202.548-1 Mozilla Firefox® Browser, V38.3.0-1 VPN System, V5.1-1 BIOS tools for remote BIOS updates via Scout Enterprise, V3.1-2 Updates and all available software packages for eLux™ RP 5 can be downloaded from www.myelux.com eLux RP 5 requires at least 4GB storage eLux™ RP 4: BaseOS eLux™ RP, V4.9.0-1 ICA client, V13.1.4.1-4 VMware® Horizon View Client, V5.6.1.1-4 (optional) FreeRDP, V1.1.0.2-3 RDPConnect, V3.2.0-1 Adobe® Flash Player 11 for Linux, V11.2.202.468-1 Mozilla Firefox® Browser, V38.0.1-2 VPN System, V4.5-1 ThinPrint® client, V7.0.41-2 BIOS tools for remote BIOS updates via Scout Enterprise, V2.3-1 Updates and all available software packages for eLux™ RP 4 can be downloaded from www.myelux.com

Operating system and software (Linux)	
Manageability	Scout Enterprise, flash memory management, embedded operating system update and system monitoring, BIOS update, managing devices by location, group or user, individual operating system composition with ELIAS (Scout Enterprise license required)
Operating system and software (Windows)	
Operating system	Windows Embedded Standard 7 (WS7P)
Functions	Language: ENG, GER, FRA, ITA, ESP Citrix Receiver 4.2.100 VMware View Horizon Client 3.4.0 RDP-Client Protocol V 8.1 with RemoteFX DotNET Framework 2.0, 3.0, 3.5, 4.0, 4.5.2 Internet Explorer 11 Media Player 12 Premium Multimedia Codecs Adobe Flashplayer 16.0.0.235 Security (SmartCard Reader support) FBWF File Base Write Filter EWF Enhanced Write Filter Visual C++ 2008, 2010, 2012, 2013 Redistributable Scout Agent for WES 7 (1.2.1)
Manageability	Flash memory management, embedded operating system update and system monitoring, managing devices by location, group or user, cloning functionality and remote updates for applications and patches
Mainboard	
Mainboard type	D3313
Formfactor	miniITX
Processor options	AMD G-Series GX-415GA (1.50 GHz, Quad Core, 2 MB, AMD Radeon™ HD 8330E)
Processor options	AMD G-Series GX-424CC (2.40 GHz, Quad Core, 2 MB, AMD Radeon™ R5E)
Processor options	AMD G-Series GX-222GC (2.20 GHz, up to 2.4 GHz, Dual Core, 1 MB, AMD Radeon™ R5E)
Processor quantity maximum	1
LAN	Built-in 10/100/1,000 MBit/s
BIOS features	BIOS Flash EPROM update by software Recovery BIOS Unified Extensible Firmware Interface (UEFI)
Audio type	On board
Audio codec	Realtek ALC671
Slots	
PCI-Express x4 (mech x16)	1 x (155 mm /) low profile (optional)
Interfaces	
Audio: line-in	1
Audio: line-out	1
Front audio: headphone	1
Front audio: line-in / microphone	1
USB 2.0 total	5
USB 3.0 total	2
USB front	2
USB rear	4
USB internal	1 (9 pin header)
DisplayPort	1 DP
DVI	1 DVI-I (integrated VGA can be used with DVI-VGA adapter)
Serial (RS-232)	2 external, 1 additional optional
Mouse / Keyboard (PS/2)	2
Ethernet (RJ-45)	1
Parallel	1 (optional)

Graphics	
Graphics brand name	AMD Radeon™ HD 8330E (in combination with AMD G-Series GX-415GA), AMD Radeon™ R5E (in combination with AMD G-Series GX-222GC), AMD Radeon™ R5E (in combination with AMD G-Series GX-424CC)
Graphics color depth	32 bit colors
Shared video memory	up to 2 GB, BIOS default 256 MB
TFT resolution (VGA)	up to 1,920 x 1,200 pixel
TFT resolution (DVI)	up to 1,920 x 1,200 pixel
TFT resolution (DisplayPort)	up to 3840 x 2160 @ 30 Hz
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. 3840 x 2160 @ 30 Hz requires AMD GX-222GC or AMD GX-424CC processors and eLux™ RP 5 or Windows Embedded 7 (or newer) operating system
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
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)
Maximum Power (internal test programm)	17.2 W
Idle state power (EN 62623:2013)	12.5 W
Sleep mode (Net. standby) (EN62623:2013)	0.97 W
Off mode power (EN 50564:2011)	0.39 W
Operating line frequency range	50 Hz - 60 Hz
Power consumption for standard configuration with Windows Embedded Standard	
Dimensions / Weight / Environmental	
Dimensions (W x D x H)	52 x 195 x 250 mm
Dimension with stand (W x D x H)	97 x x 297 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-D3313
Europe	EPEAT® Gold (without WLAN and for dedicated regions, for details see http://www.epeat.net)
Global	ENERGY STAR® 6.1 qualified (in dedicated regions)
Compliance notes	Energy Star compliance may vary depending on actual configuration
Compliance link	http://globalsp.ts.fujitsu.com/sites/certificates
Security	
Physical Security	Kensington Lock support

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	
Warranty period	2 years (depending on country)
Warranty type	Bring-in Service (for countries within region EMEIA, for all other countries depending on local regulations)
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

Midspan Micro Semi PD-9501G



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

Midspan Micro Semi PD-9512G



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 Thin Client 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.

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www.fujitsu.com/global/products/computing/

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More information

Learn more about FUJITSU Thin Client FUTRO S920, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
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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