

# Data Sheet

## FUJITSU Thin Client FUTRO S520

### Convincing Simplicity

The FUJITSU FUTRO S520 is your versatile thin client for highly secure server-based computing and desktop virtualization. It reduces your TCO significantly compared to a standard PC through low hardware costs, high energy efficiency and minimal administration requirements. Its small footprint and lack of noise emissions contribute to a pleasant working environment. Finally, high product quality ensures a long lifecycle.

#### Energy efficiency

Saves energy and reduces carbon footprint

- Integrated system concept with high-level power-saving components

#### Compact design

Tidy desk with more space left

- The FUJITSU FUTRO S520 can be mounted behind a monitor

#### Ready for VDI and SBC

Benefit from the advantages of SBC and VDI

- Certified for market leading infrastructures

#### Cost effective

Excellent cost-performance ratio

- Designed for efficiency

#### System compatibility

Easy integration into your existing IT infrastructure

- Runs on eLux® or Microsoft Windows Embedded Standard 7



# Technical details Components

<b>Memory modules</b>	2 GB (1 module(s) 2 GB) DDR3, 1,600 MT/s, PC3-12800, SO DIMM 4 GB (1 module(s) 4 GB) DDR3, 1,600 MT/s, PC3-12800, SO DIMM
<b>Graphics</b>	DVI-I to VGA Adapter
<b>Base unit</b>	FUTRO S520
<b>Operating system and software (Linux)</b>	
<b>Operating system</b>	eLux® RP – Embedded Linux
<b>Functions</b>	eLux® RP 5 BaseOS eLux® RP, V5.6.0-8 ICA client, V13.5.0.1-1 VMware® Horizon View Client, V6.4.0.0-1 (optional) eLuxRDP, V1.0-11 Mozilla Firefox® Browser, V45.3.0-7 VPN System, V6.1-3 BIOS tools for remote BIOS updates via Scout Enterprise, V4.0-1 Updates and all available software packages for eLux® RP 5 can be downloaded from <a href="http://www.mylux.com">www.mylux.com</a>
<b>Manageability</b>	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 (eLux and Scout Enterprise Management Suite license required)
<b>Operating system and software (Windows)</b>	
<b>Operating system</b>	Windows Embedded Standard 7 (WS7P)
<b>Functions</b>	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 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)
<b>Manageability</b>	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
<b>Mainboard</b>	
<b>Mainboard type</b>	D3314
<b>Storage</b>	4 GB microSSD onboard flash memory with MLC technology (with eLux® RP only), 16 GB microSSD onboard flash memory with MLC technology (with eLux® RP and Windows® Embedded)
<b>Memory notes</b>	Ex-factory, the flash module isn't write protected when ordered with Windows to allow an easy configuration to customer needs. Fujitsu recommends to switch on the write filter once the configuration is finished. This is mandatory for a highest level of security (e.g. against virus attacks) and enhances durability of the flash module.
<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
<b>Interfaces</b>	
<b>Audio: line-in</b>	1

**Interfaces**

Audio: line-out	1
Front audio: headphone	1
Front audio: line-in / microphone	1
USB 2.0 total	2
USB 3.1 Gen1 (USB 3.0) total	2
USB front	2
USB rear	2
DVI	2 (1x DVI-I and 1x DVI-D; integrated VGA can be used with optional DVI-VGA adapter)
Mouse / Keyboard (PS/2)	2
Ethernet (RJ-45)	1

Graphics brand name	AMD Radeon™ HD 8210E (in combination with AMD G-Series GX-210HA), AMD Radeon™ R1E (in combination with AMD G-Series GX-212ZC)
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
Graphics features	DirectX® 11.1 Shader Model 5 Open CL® 1.2 OpenGL® 4.2
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**

Power consumption long idle	3.5 W
Power consumption sleep mode power	0.87 W (WoL enabled)
Power consumption off mode power	0.11 W (WoL disabled)
Power consumption note	Consumption can differ depending on selected hardware, software and settings.
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

**Dimensions / Weight / Environmental**

Dimension with stand (W x D x H)	88 x 174 x 185 mm
Dimensions (W x D x H)	43 x 174 x 170 mm
Operating position	Vertical / horizontal
Weight	0,85 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 S520
Model	TCS3-D3314
Europe	EPEAT® Gold (without WLAN and for dedicated regions, for details see <a href="http://www.epeat.net">http://www.epeat.net</a> )
Russia	EAC
Compliance notes	Energy Star compliance may vary depending on actual configuration
Compliance link	<a href="https://sp.ts.fujitsu.com/sites/certificates">https://sp.ts.fujitsu.com/sites/certificates</a>

<b>Security</b>	
Physical Security	Kensington Lock support
System and BIOS Security	Write protection for the Flash module
<b>Warranty</b>	
Warranty period	2 years (depending on country)
Warranty type	Bring-In Service (for countries within region EMEA, for all other countries depending on local regulations)
Warranty Terms & Conditions	<a href="http://www.fujitsu.com/warranty">http://www.fujitsu.com/warranty</a>
<b>Product Support Services - the perfect extension</b>	
Recommended Service	9x5, Onsite Response Time: Next Business Day
Spare Parts availability	5 years after end of product life 5 years
Service Weblink	<a href="http://www.fujitsu.com/emeia/products/product-support-services/">http://www.fujitsu.com/emeia/products/product-support-services/</a>

## Recommended Accessories

### Wireless Keyboard Set LX901



The Wireless Keyboard LX901 is a top of the line desktop solution for lifestyle orientated customers, who want only the best for their desk. This superb keyboard set offers ambitious users more functions and better features than a conventional interface device. It even includes 2.4 GHz technology and 128 AES encryption.

S26381-K565-L4\*\* (\*\*: Country specific variation)

# More information

## Fujitsu products, solutions & services

In addition to FUJITSU Thin Client FUTRO S520, 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/](http://www.fujitsu.com/global/products/computing/)

### Software

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

## More information

Learn more about FUJITSU Thin Client FUTRO S520, 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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