

# Data Sheet

## FUJITSU Thin Client FUTRO S720

### The Affordable Thin Client

The individually configurable thin client FUJITSU FUTRO S720 is ideal for secure server-based computing and desktop virtualization. Silent and easy to use, it also offers straightforward integration and manageability. User convenience is supported through a small footprint, dual monitoring and unique connectivity options. Exceptional quality guarantees a long lifecycle. Combined with low energy consumption, this will help minimize your 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 high-level power-saving components

#### Manageability

Easy administration while reducing total cost of ownership

- Outstanding manageability solution

#### Backpack solution

Less space needed

- The FUJITSU FUTRO S720 can be mounted behind a display



# Technical details Components

<b>Memory modules</b>	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
<b>Graphics</b>	DVI-I to VGA Adapter DP to DVI-D (single link) Adapter Cable
<b>Hard disk drives (internal)</b>	mSATA, 64 GB, Flash drive (MLC technology), 124 TBW* mSATA, 32 GB, Flash drive (MLC technology), 62 TBW* mSATA, 16 GB, Flash drive (MLC technology), 31 TBW* mSATA, 8 GB, Flash drive (MLC technology), 15 TBW* mSATA, 8 GB, Flash drive (SLC technology)
<b>Hard disk notes</b>	Important Notice for mSATA Module Use: Due to MLC Technology the device only supports a defined maximum number of Terabytes written. Any and all warranty for such devices is limited to this maximum Terabytes written. Please notice the section "restricted warranty" in our warranty book. Fujitsu therefore strongly recommends to activate the write filter of the mSATA module once the configuration is finished. This activation ensures the durability of the flash module and is also mandatory to ensure a highest level of IT security (e.g. against virus attacks). In case of a need to enable further write cycles the write filter can then be deactivated again at any time. *Terabytes written (TBW) calculated based on JESD-218 SSD Client workload One Gigabyte equals one billion bytes, when referring to hard disk drive capacity.
<b>Interface add on cards/components (optional)</b>	Internal speaker 2nd LAN/Power-over-Ethernet module, IEEE802.3at (max. 25.5W system power)
<b>Base unit</b>	FUTRO S720
<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 (Scout Enterprise license required)
<b>Operating system and software (Windows)</b>	
<b>Operating system</b>	Windows Embedded Standard 7 (WS7P)

**Operating system and software (Windows)**

<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>Operating system</b>	Windows® 10 IoT Enterprise (Win10IoT)
<b>Functions</b>	Language: ENG, GER, FRA, ITA, ESP, DUT Citrix Receiver 4.4.1000 (14.4.1000.16) VMware Horizon Client 4.1.0.1487 RDP-Client Protocol V 10.0 with RemoteFX DotNET Framework 2.0, 3.0, 3.5, 4.0, (4.5.1, 4.5.2,) 4.6 Internet Explorer 11.0.10240.16942 Update 11.0.32 (KB3160005) Media Player 12.0.10240.16384 Security (SmartCard Reader support) USB CD-ROM support Unified Write Filter (UWF) Visual Studio C++ Redistributable 2008 (x86), 2010, 2012, 2013 Scout Agent Windows (1.3.1.130) WEDM Microsoft Windows Embedded Device Manager TigerVNC (for mirroring) 1.4.2
<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

**Mainboard**

<b>Mainboard type</b>	D3313
<b>Formfactor</b>	miniITX
<b>Processor options</b>	AMD G-Series GX-217GA (1.65 GHz, Dual Core, 1 MB, AMD Radeon™ HD 8280E)
<b>Processor options</b>	AMD G-Series GX-222GC (2.20 GHz, up to 2.4 GHz, Dual Core, 1 MB, AMD Radeon™ R5E)
<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****Interfaces**

<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>	5
<b>USB 3.1 Gen1 (USB 3.0) total</b>	2
<b>USB front</b>	2
<b>USB rear</b>	4
<b>USB internal</b>	1 (9 pin header)

**Interfaces**

DisplayPort	1 DP
DVI	1 DVI-I (integrated VGA can be used with DVI-VGA adapter)
Serial (RS-232)	1 external
Mouse / Keyboard (PS/2)	2
Ethernet (RJ-45)	1
Graphics brand name	AMD Radeon™ HD 8280E (in combination with AMD G-Series GX-217GA), AMD Radeon™ R5E (in combination with AMD G-Series GX-222GC)
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 3,840 x 2,160 @ 30 Hz up to 1,920 x 1,440 / True Color / 60 Hz 1,920 x 1,200 pixel 1,920 x 1,080 pixel 1,680 x 1,050 pixel 1,600 x 1,200 pixel 1,280 x 1,024 pixel 1,024 x 768 pixel 800 x 600 pixel 640 x 480 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. 3840 x 2160 @ 30 Hz requires AMD GX-222GC processor 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
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**Hard disk**

Hard disk notes	Important Notice for mSATA Module Use: Due to MLC Technology the device only supports a defined maximum number of Terabytes written. Any and all warranty for such devices is limited to this maximum Terabytes written. Please notice the section "restricted warranty" in our warranty book. Fujitsu therefore strongly recommends to activate the write filter of the mSATA module once the configuration is finished. This activation ensures the durability of the flash module and is also mandatory to ensure a highest level of IT security (e.g. against virus attacks). In case of a need to enable further write cycles the write filter can then be deactivated again at any time. *Terabytes written (TBW) calculated based on JESD-218 SSD Client workload One Gigabyte equals one billion bytes, when referring to hard disk drive capacity.
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**Electrical values**

Power consumption long idle	4.2 W
Power consumption sleep mode power	0.59 W (WoL enabled)
Power consumption off mode power	0.25 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)	97 x 195 x 267 mm
Dimensions (W x D x H)	52 x 195 x 250 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 S720
Model	TCS-D3313
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>

**Security**

Physical Security	Kensington Lock support
System and BIOS Security	Write protection for the Flash module Optional: Trusted platform module (TPM 1.2)

**Warranty**

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://support.ts.fujitsu.com/warranty">http://support.ts.fujitsu.com/warranty</a>

**Product Related Services - the perfect extension**

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/fts/services/support">http://www.fujitsu.com/fts/services/support</a>

## 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

**Universal Monitor Stand**

Save desk space without compromising performance or productivity with the Universal Monitor Stand that brings together a FUJITSU Desktop ESPRIMO Q mini PC or FUJITSU Thin Client FUTRO and a VESA compatible FUJITSU Display. For optimum ergonomics the height and tilt angle of the display can be adjusted, helping you to stay productive and comfortable, whilst hassle-free installation of the devices on the stand makes the life of your IT department easier.

Order Code:  
S26361-F2601-L700

# More information

## Fujitsu products, solutions & services

In addition to FUJITSU Thin Client FUTRO S720, 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 S720, 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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