

# Data Sheet

## FUJITSU Thin Client FUTRO X923

### More Than Just a Thin Client

The smart FUJITSU FUTRO X923 with the full advantages of a thin client is your choice for highly secure server-based computing and desktop virtualization. With its modern design, your work environment will take on a neat, sophisticated look. Benefit from innovative features such as energy saving plus a user-friendly multi-position 58.4 cm (23-inch) LED display. Significant TCO savings are achieved with sophisticated management options.



#### Ergonomics

Enables highly ergonomic working position, increasing user satisfaction and productivity

- Height-adjustable display in accordance with ergonomic guidelines like EN ISO 9241 or German BGI 650

#### Silent operations

Highest productivity in a human-centric office environment

- Advanced energy-efficiency enables fanless operations of the FUJITSU FUTRO X923

#### Manageability

Easy administration while significantly reducing the total cost of ownership

- Comprehensive Enterprise manageability solution

#### Future proof technology

Be prepared for the future today

- Innovative features like the Power over Ethernet option

#### System compatibility

Easy integration into your existing IT infrastructure

- Runs on eLux® or Microsoft Windows Embedded Standard 7



# Technical details Components

<b>Display</b>	
Tilt angle	-3° / +35°
Contrast - advanced	10,000,000:1
Response time typical	14 ms
Viewing angle (h/v) - typical	178°/178° CR10:1
Color performance	16.7 million colors (Hi-FRC)
Brightness - typical	250 cd/m
Aspect ratio	16:9
Resolution (native)	1,920 x 1,080 pixel
Pixel Pitch	0.265 mm
<b>Graphics</b>	
	DVI-I to VGA Adapter
<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>Operating system and software (Linux)</b>	
Operating system	eLux® RP – Embedded Linux
Functions	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>
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)
<b>Operating system and software (Windows)</b>	
Operating system	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 for Retail and Thin Clients (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>	D3333
<b>Formfactor</b>	proprietary
<b>Processor quantity maximum</b>	1
<b>Memory slots</b>	1
<b>Supported capacity RAM (max.)</b>	8 GB
<b>LAN</b>	10/100/1,000 MBit/s Realtek RTL 8111E
<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 ALC663
<b>Audio features</b>	Internal stereo speakers

**Interfaces**

<b>Audio left side: line-out / headphone</b>	1
<b>Audio left side: 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 left side</b>	2
<b>USB internal</b>	1 (9 pin header)
<b>VGA</b>	1 (via DVI to VGA adapter)
<b>DVI</b>	1 DVI-I (integrated VGA can be used with DVI-VGA adapter)
<b>Rear connector dual serial and 2nd PS/2</b>	1
<b>Mouse / Keyboard (PS/2)</b>	1

**Interfaces**

Ethernet (RJ-45)	1
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**Input device / components****Graphics on board**

Graphics brand name	AMD Radeon™ HD 8330E (in combination with AMD G-Series GX-415GA)
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

**Hard disk**

Hard disk notes	<p>Important Notice for mSATA Module Use: Due to MLC Technology the device only supports a defined maximum number of Terabytes written.</p> <p>Any and all warranty for such devices is limited to this maximum Terabytes written. Please notice the section "restricted warranty" in our warranty book.</p> <p>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.</p> <p>*Terabytes written (TBW) calculated based on JESD-218 SSD Client workload</p> <p>One Gigabyte equals one billion bytes, when referring to hard disk drive capacity.</p>
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**Electrical values**

Power efficiency note	power supply efficiency (at 115V/230V; 10% / 20% / 50% / 100% load) : 87% / 88% / 90% / 90%
Rated voltage range	100 V - 240 V
Rated frequency range	50 Hz - 60 Hz
Operating voltage range	90 V - 264 V
Maximum Power (internal test programm)	26.6 W
Idle state power (EN 62623:2013)	5.59 W
Sleep mode (Net. standby) (EN62623:2013)	1.32 W
Off mode power (EN 50564:2011)	0.42 W
Operating line frequency range	47 Hz - 63 Hz
Max. output of single power supply	65 W (integrated in system)
Power factor correction/active power	No (meets input harmonic current according EN61000-3-2)
Monitor outlet	No

**Power consumption****Dimensions / Weight / Environmental**

Dimensions (W x D x H)	533 x 224 x 419 mm 20.99 x 8.82 x 16.5 inch
Operating position	Vertical
Weight	8.0 kg
Weight (lbs)	15.44 lbs
Weight notes	Actual weight may vary depending on configuration

**Compliance**

Product	FUTRO X923
Model	MPC2-D3333
Europe	CE EPEAT® Silver (dedicated regions, for details see <a href="http://www.epeat.net">http://www.epeat.net</a> )

**Compliance**

USA/Canada	FCC Class B cCSAus
Global	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) ENERGY STAR® 6.1 qualified (in dedicated regions)
Japan	VCCI Class B
Russia	GOST EAC
Australia/New Zealand	C-Tick
Saudi Arabia	SASO
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	Boot sector virus protection Write protect option for the Flash EPROM Control of all USB interfaces Optional: Trusted platform module (TPM 1.2) HDD password on boot
User Security	User and supervisor BIOS password

**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	X - 9x5, Onsite 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

**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

**UC&C USB Headset Stereo H650e**

The UC&C USB Headset Stereo H650e is the ultimate in style and functionality. Long, uncomfortable work calls are a thing of the past thanks to the cushioned ear pads and crystal clear sound. Adjustable headband and microphone provides the perfect fit for everyone. Optimized for Microsoft® Lync™ the headset displays a red 'in-call' LED to let your co-workers know when you're available, thus helping to boost office productivity.

Order Code:  
S26391-F7139-L10

**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, security 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 X923, 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 X923, 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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