

# Data Sheet

## FUJITSU Desktop ESPRIMO X923-T

### Evolutionary PC for the Modern Office

The sophisticated FUJITSU ESPRIMO X923-T has all the advantages of a PC plus a multi-position 58.4 cm (23-inch) touch display and innovative easy log-in features. Achieve significant TCO savings with DeskView and Intel® vPro™ technology and protect confidential data with the integrated TPM module. Low Power Active Mode enables instant communication and saves energy.



#### Human centric

Benefit from a neat and efficient desk and optimum working positions to work as effectively as possible

- This PC features a 58.4 cm (23-inch) widescreen IPS-panel and an adjustable display for the ideal working position

#### Always available office PC

Be ready for instant communication and significantly reduce your energy bill

- Innovative Low Power Active Mode

#### Multi-touch operations

Enables a highly efficient workflow and supports new interactive working scenarios in the office

- Excellent ergonomic operations with multi-touch screen for the next generation user interface

#### Energy efficiency coupled with intelligent performance

Best-in-class regarding power consumption combined with high levels of performance

- 4th generation Intel® Core™ processor family and a power supply with up to 93% efficiency

#### Manageability and security

Simple system administration for complex IT infrastructures and excellent levels of data protection

- Intel® vPro™ technology (depending on processor) and DeskView manageability tools, integrated TPM and EraseDisk option



# Components

<b>Processor</b>	Intel® Core™ i7-4785T processor (4 Cores / 8 Threads, 2.20 GHz, up to 3.2 GHz, 8 MB, Intel® HD Graphics 4600) * Intel® Core™ i5-4590T processor (4 Cores / 4 Threads, 2.00 GHz, up to 3.0 GHz, 6 MB, Intel® HD Graphics 4600) * Intel® Core™ i3-4170T processor (2 Cores / 4 Threads, 3.20 GHz, 3 MB, Intel® HD Graphics 4400)  Intel® vPro™ Logo with Intel® Core i5 and Core i7 processors *with Intel® Turbo Boost Technology (clock speed and performance will vary depending on workload and other variables)
<b>Operating systems</b>	
<b>Operating system</b>	Windows 10 Pro Windows 8.1 Pro Windows 7 Professional 64-bit Windows 7 Professional 32-bit
<b>Operating system compatible</b>	Windows 10 Pro (license + recovery media only) openSUSE Linux
<b>Multimedia module (optional)</b>	
<b>Camera</b>	2.0 megapixel webcam (full HD)
<b>Microphone</b>	High quality mono
<b>Presence Sensor</b>	Ultrasonic sensor
<b>Display</b>	
<b>Tilt angle</b>	-5° / +30° up to 90° in vertical touch position
<b>Multi-Touch Support</b>	yes
<b>Screen Surface Treatment</b>	Anti-glare
<b>Contrast - advanced</b>	10,000,000:1
<b>Response time typical</b>	14 ms
<b>Viewing angle (h/v) - typical</b>	178°/178° CR10:1
<b>Color performance</b>	16.7 million colors (Hi-FRC)
<b>Brightness - typical</b>	250 cd/m
<b>Aspect ratio</b>	16:9
<b>Diagonal Size</b>	58.4 cm (23-inch)
<b>Resolution (native)</b>	1,920 x 1,080 pixel
<b>Pixel Pitch</b>	0.265 mm
<b>Memory modules</b>	2 GB (1 module(s) 2 GB) DDR3, non-ECC, 1,600 MHz, PC3-12800, SO DIMM 4 GB (1 module(s) 4 GB) DDR3, non-ECC, 1,600 MHz, PC3-12800, SO DIMM 8 GB (1 module(s) 8 GB) DDR3, non-ECC, 1,600 MHz, PC3-12800, SO DIMM
<b>Hard disk drives (internal)</b>	HDD SATA II, 5,400 rpm, 500 GB, 2.5-inch* SSD SATA III Premium, 512 GB, 2.5-inch SSD SATA III Premium, 256 GB, 2.5-inch SSD SATA III Premium, 128 GB, 2.5-inch SSD SATA III, 256 GB, 2.5-inch SSD SATA III, 128 GB, 2.5-inch SSD SATA III, 256 GB, 2.5-inch, SED SSD SATA III, 128 GB, 2.5-inch, SED SSHD SATA III, 5,400 rpm, 500 GB, 2.5-inch HDD SATA III, 5,400 rpm, 320 GB, 2.5-inch, enhanced availability HDD SATA III, 7,200 rpm, 500 GB, 2.5-inch HDD SATA III, 7,200 rpm, 320 GB, 2.5-inch HDD SATA II, 5,400 rpm, 1,000 GB, 2.5-inch* HDD SATA II, 5,400 rpm, 320 GB, 2.5-inch*

<b>Hard disk notes</b>	Up to 20 GB of HDD space is reserved for system recovery SSHD (Solid State Hard Disk, Hybrid drive) SSD (Solid State Disk) SED (Self-Encrypting Drive)
<b>Graphics</b>	DVI-I to VGA Adapter
<b>Interface add on cards/components (optional)</b>	WLAN 802.11 a/g/n (2x2) and Bluetooth (dedicated regions only, not for Indonesia)

## Base unit

<b>Base unit</b>	ESPRIMO X923-T
<b>Mainboard</b>	
<b>Mainboard type</b>	D3334
<b>Formfactor</b>	proprietary
<b>Chipset</b>	Intel® Q87
<b>Processor socket</b>	LGA 1150
<b>Processor quantity maximum</b>	1
<b>Supported capacity RAM (max.)</b>	16 GB
<b>Memory slots</b>	2 SO DIMM (DDR3, 1600 MHz)
<b>Memory frequency</b>	1,600 MHz
<b>Memory notes</b>	Dual channel support. For dual channel performance, a minimum of 2 memory modules have to be ordered. Capacity per channel has to be the same
<b>LAN</b>	10/100/1,000 MBit/s Intel® I217LM
<b>Integrated WLAN</b>	1 (optional with Bluetooth together)
<b>BIOS version</b>	AMI Aptio 4.6
<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 ALC282
<b>Audio features</b>	High Definition audio, 5.1 surround sound, Internal stereo speakers
<b>I/O controller on board</b>	
<b>Serial ATA total</b>	1
<b>thereof SATA III</b>	1
<b>Controller functions</b>	Serial ATA II (3 Gbit) Serial ATA III (6 Gbit) NCQ AHCI
<b>Interfaces</b>	
<b>Audio: line-out / headphone</b>	1
<b>Audio: line-in / microphone</b>	1
<b>USB 3.0 total</b>	6
<b>USB rear</b>	4x3.0
<b>USB left side</b>	2x3.0
<b>VGA</b>	1 (optional via DVI to VGA adapter)
<b>DVI</b>	1 (DVI-I)
<b>Ethernet (RJ-45)</b>	1
<b>Interface Module notes</b>	Anytime USB charge functionality

**Input device / components**

<b>Input devices (optional)</b>	Optical USB mouse M510 grey Optical USB mouse M510 black USB/PS2 laser combo mouse grey ECO mouse M440 black Black mouse GL9000 blue LED Keyboard KB410 USB black Keyboard KB900 USB black Bluetooth keyboard LX360 black Wireless keyboard mouse Set LX901 black
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**Drive bays**

<b>Drive bays total</b>	2
<b>2.5-inch internal bays</b>	1
<b>Drive bay notes</b>	mSATA connector internal

**Graphics on board**

<b>Graphics brand name</b>	Intel® HD Graphics 4400, Intel® HD Graphics 4600
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<b>Shared video memory</b>	up to 1,782 MB
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<b>TFT resolution (VGA)</b>	1,024 x 768 pixel 1,280 x 1,024 pixel 1,360 x 768 pixel 1,440 x 900 pixel 1,600 x 900 pixel 1,600 x 1,200 pixel 1,680 x 1,050 pixel 1,920 x 1,080 pixel
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<b>TFT resolution (DVI)</b>	1,280 x 1,024 pixel 1,360 x 768 pixel 1,440 x 900 pixel 1,600 x 900 pixel 1,680 x 1,050 pixel 1,920 x 1,080 pixel 1,920 x 1,200 pixel
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<b>Graphics features</b>	Dual display support DirectX® 11.1 HDCP support Open CL® 1.2 OpenGL® 4.0
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<b>Graphics notes</b>	up to 1 GB dedicated video memory (main memory owned and locked for graphics use) Tested resolutions, depending on display type additional resolutions and frequencies possible Shared memory depending on main memory size and operating system Resolution (color depth up to 32 Bit/pixel) For TFT we recommend using 60Hz
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**Electrical values**

<b>Power efficiency note</b>	power supply efficiency (at 230V; 10% / 20% / 50% / 100% load) : 86% / 87% / 91% / 92%
<b>Rated voltage range</b>	100 V - 240 V
<b>Rated frequency range</b>	50 Hz - 60 Hz
<b>Operating voltage range</b>	90 V - 264 V
<b>Operating line frequency range</b>	47 Hz - 63 Hz
<b>Max. output of single power supply</b>	90 W (integrated in system)
<b>Power factor correction/active power</b>	active

**Power consumption**

<b>Power consumption note</b>	See white paper Energy Consumption
<b>Link to Energy White Paper</b>	<a href="http://docs.ts.fujitsu.com/dl.aspx?id=2b2f60ec-7ebd-4816-ade0-079db63896e2">http://docs.ts.fujitsu.com/dl.aspx?id=2b2f60ec-7ebd-4816-ade0-079db63896e2</a>

**Heat dissipation**

<b>Heat dissipation notes</b>	See white paper Energy Consumption
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**Noise emission**

<b>Related Processors for noise</b>	Intel® Core™ i7 4785T
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**Noise emission**

Standard noise emission	2x2 GB, HDD, Windows According to ISO 7779:2010, ECMA-74
Standard noise operation mode: CPU 50% load	4.3 B / 29 dB(A) Bystander; 30 dB(A) Operator position
Standard noise operation mode: HDD load	3.3 B / 19 dB(A) Bystander; 20 dB(A) Operator position
Standard noise operation mode: Idle mode	3.2 B / 18 dB(A) Bystander; 19 dB(A) Operator position
Standard noise operation mode: ODD load	n.a.
Standard noise operation mode: Office applications 2.0	3.2 B / 18 dB(A) Bystander; 19 dB(A) Operator position
Blue angel noise emission according certification	According to ISO 7779:2010, ECMA-74 for max. possible configuration

**Dimensions / Weight / Environmental**

Dimensions (W x D x H)	554 x 225 x 433 mm 21.81 x 8.86 x 17.0 inch
Operating position	Vertical
Weight	8.62 kg
Weight (lbs)	19.03 lbs
Weight notes	Actual weight may vary depending on configuration
Operating ambient temperature	10 - 35 °C (50 - 95 °F)
Operating relative humidity	5 - 85 % (relative humidity)

**Compliance**

Product	ESPRIMO X923-T
Model	TSX1
Germany	TÜV GS
Europe	CE
USA/Canada	FCC Class B cCSAus
Global	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) ENERGY STAR® 6.0 (dedicated regions)
Compliance link	<a href="http://globalsp.ts.fujitsu.com/sites/certificates">http://globalsp.ts.fujitsu.com/sites/certificates</a>

**Additional Software**

Additional software (preinstalled)	Workplace Protect (secure authentication solution) Adobe® Reader® (pdf reader) McAfee Multi Access Security (anti-virus and internet security software; 60 days trial version) Win7: Fujitsu Recovery (hard disk based recovery) Win8: Microsoft Push Button Recovery (hard disk based recovery) Microsoft Office (buy license to activate the pre-installed Microsoft Office)
Additional software (optional)	Recovery DVD for Windows® Drivers & Utilities DVD (DUDVD)

**Manageability**

Manageability technology	DeskUpdate Driver management PXE 2.1 Boot code Wake up from S5 (off mode) iAMT 9.0 (depending on CPU) WoL (Wake on LAN)
Manageability software	DeskView Client DeskView Instant BIOS Management

**Manageability**

<b>DeskView components</b>	Inventory Management BIOS Management Driver Management Security Management Alarm Management
<b>Supported standards</b>	DMI (Desktop Management Interface) SMBIOS (System Management BIOS) PXE (Preboot Execution Environment) WMI (Windows Management Instrumentation) WBEM (Web Based Enterprise Management) CIM (Common Information Model)
<b>Manageability link</b>	<a href="http://www.fujitsu.com/fts/manageability">http://www.fujitsu.com/fts/manageability</a>

**Security**

<b>Physical Security</b>	Kensington Lock support
<b>System and BIOS Security</b>	EraseDisk (optional) Boot sector virus protection Write protect option for the Flash EPROM Embedded security (TPM 1.2) Control of all USB interfaces External USB ports can be disabled separately Control of external interfaces
<b>User Security</b>	User and supervisor BIOS password Hard disk password Access protection via internal SmartCard reader (optional) Access protection via external SmartCard reader (optional)
<b>Workplace Embedded Tools</b>	Auto BIOS Update via Fujitsu Server Auto BIOS Update via customer server (optional) Easy PC Protection (optional) Easy Restore (optional)

**Packaging information**

<b>Packaging dimension (mm)</b>	648 x 275 x 545 mm
<b>Packaging dimension (inch)</b>	25.51 x 10.83 x 21.46 inch
<b>Max. quantity / pallet</b>	16
<b>Material - Weight (g) Carton</b>	1300 g
<b>Material - Weight (lbs) Carton</b>	2.87 lbs
<b>Material - Weight (g) EPS / PS</b>	680 g
<b>Material - Weight (lbs) EPS / PS</b>	1.5 lbs
<b>Material - Weight (g) PE</b>	10 g
<b>Material - Weight (lbs) PE</b>	0.02 lbs
<b>Packaging notes</b>	printed user documentation is bleached in chlorin free process

**Warranty**

<b>Warranty period</b>	3 years
<b>Warranty type</b>	Bring-In / Onsite Service (for countries within region FTS CEMEA&I, for all other countries depending on local regulations, minimum: 2 years material warranty)
<b>Warranty Terms &amp; Conditions</b>	<a href="http://support.ts.fujitsu.com/warranty">http://support.ts.fujitsu.com/warranty</a>

**Product Support Services - the perfect extension**

<b>Recommended Service</b>	9x5, Onsite Response Time: Next Business Day
<b>Spare Parts availability</b>	5 years after end of product life
<b>Service Weblink</b>	<a href="http://www.fujitsu.com/fts/services/support">http://www.fujitsu.com/fts/services/support</a>

## Recommended Accessories

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**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

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**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 for security.

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

# More information

## Fujitsu OPTIMIZATION Services

In addition to FUJITSU Desktop ESPRIMO X923-T, 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 Desktop ESPRIMO X923-T, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.  
[www.fujitsu.com/fts/ESPRIMO](http://www.fujitsu.com/fts/ESPRIMO)

## 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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