

Fujitsu recommends Windows 10 Pro.

# Data Sheet

## FUJITSU Desktop ESPRIMO X956/T

### Evolutionary PC for the Modern Office

The sophisticated FUJITSU ESPRIMO X956/T has all the advantages of a PC plus a multi-position 58.4 cm (23-inch) touch display and innovative easy log on features. Achieve significant TCO savings with DeskView and Intel® vPro™ technology and protect confidential data with the latest TPM controller. With the Low Power Active Mode it supports a wide range of new usage scenarios such as telephony and video conferencing.



#### Human centric

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

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

#### Always Available Office PC - stay connected and save power

Be ready for instant communication and significantly reduce your energy bill

- Innovative Low Power Active Mode and high-efficiency integrated power-supply

#### 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 high performance

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

- 6th generation Intel® Core™ processor family and a power supply with 91% 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™ i7-6700T processor (4 Cores / 8 Threads, 2.80 GHz, up to 3.6 GHz, 8 MB, Intel® HD Graphics 530) *, **
	Intel® Core™ i5-6500T processor (4 Cores / 4 Threads, 2.50 GHz, up to 3.1 GHz, 6 MB, Intel® HD Graphics 530) *, **
	Intel® Core™ i3-6100T processor (2 Cores / 4 Threads, 3.20 GHz, 3 MB, Intel® HD Graphics 530) **
	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) Intel® Smart Response Technology supported by Intel® Core™ i3, i5 and i7 processors **6th generation Intel® processor
<b>Operating systems</b>	
<b>Operating system</b>	Windows 10 Pro. Fujitsu recommends Windows 10 Pro. Windows 10 Home 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>Microsoft OS support information</b>	This system receives full support from Microsoft with Windows 10/Windows 10 Pro only. For any other Microsoft OS installed, this device has limited support from Microsoft. For more information, please see Microsoft's Support Lifecycle FAQ.
<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>	4 GB (1 module(s) 4 GB) DDR4, non-ECC, 2,133 MHz, SO DIMM
	8 GB (1 module(s) 8 GB) DDR4, non-ECC, 2,133 MHz, SO DIMM
	16 GB (1 module(s) 16 GB) DDR4, non-ECC, 2,133 MHz, SO DIMM

<b>Hard disk drives (internal)</b>	PCIe-SSD, 512 GB Highend, M.2 module
	PCIe-SSD, 256 GB Highend, M.2 module
	SSD SATA, 512 GB, M.2 module
	SSD SATA, 256 GB, M.2 module
	SSD SATA, 128 GB, M.2 module
	SSD SATA III, 512 GB, 2.5-inch
	SSD SATA III, 256 GB, 2.5-inch
	SSD SATA III, 512 GB, 2.5-inch, SED
	SSD SATA III, 256 GB, 2.5-inch, SED
	SSD SATA III, 128 GB, 2.5-inch
	SSHD SATA III, 5,400 rpm, 500 GB, 2.5-inch
	HDD SATA III, 7,200 rpm, 500 GB, 2.5-inch, enhanced availability
	HDD SATA III, 7,200 rpm, 500 GB, 2.5-inch
	HDD SATA II, 5,400 rpm, 1,000 GB, 2.5-inch*
	HDD SATA II, 5,400 rpm, 500 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>	DP to DVI-D (single link) Adapter Cable
<b>Interface add on cards/components (optional)</b>	
M.2 WLAN 802.11ac (2x2) and BT 4.1 (dedicated regions only, up to BT 4.2 depending on OS version)	

## Base unit

<b>Base unit</b>	ESPRIMO X956/T
<b>Mainboard</b>	
<b>Mainboard type</b>	D3444
<b>Formfactor</b>	proprietary
<b>Chipset</b>	Intel® Q170
<b>Processor socket</b>	LGA 1151
<b>Processor quantity maximum</b>	1
<b>Supported capacity RAM (max.)</b>	32 GB
<b>Memory slots</b>	2 DIMM (DDR4)
<b>Memory frequency</b>	2,133 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® I219LM
<b>Integrated WLAN</b>	1 (optional with Bluetooth together)
<b>BIOS version</b>	AMI Aptio V
<b>BIOS features</b>	BIOS Flash EPROM update by software Recovery BIOS Unified Extensible Firmware Interface (UEFI) CSM (Compatibility Support Module)
<b>Audio type</b>	On board
<b>Audio codec</b>	Realtek ALC671
<b>Audio features</b>	High Definition audio, Internal stereo speakers
<b>I/O controller on board</b>	
<b>Serial ATA total</b>	1
<b>thereof SATA III</b>	1

**I/O controller on board**

Controller functions	Serial ATA III (6 Gbit) NCQ AHCI
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**Interfaces**

Audio: line-out / headphone	1
Audio: line-in / microphone	1
Internal microphones	optional with camera module
USB 3.1 Gen1 (USB 3.0) total	6
USB rear	4x USB 3.0
USB left side	2x USB 3.0
VGA	optional: via external active adapter cable
DisplayPort	1
Ethernet (RJ-45)	1
Interface Module notes	Anytime USB charge functionality

**Input device / components**

Input devices (optional)	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**

Drive bays total	2
2.5-inch internal bays	1
Drive bay notes	M.2-2280 for SSD
M.2-2280	1 x on mainboard (for PCIe or SATA SSD modules)
Mini PCI slots	
M.2-2230	on mainboard for WLAN module

**Graphics on board**

Graphics brand name	Intel® HD Graphics 510, Intel® HD Graphics 530
Shared video memory	up to 1,782 MB
TFT resolution (DisplayPort)	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 2,560 x 1,440 pixel 2,560 x 1,600 pixel 3,840 x 2,160 pixel 4,096 x 2,304 pixel
Graphics features	Dual display support DirectX® 12 HDCP support OpenCL™ 2.0 (requires Intel® Core™ i3, i5 or i7 processors) OpenGL® 4.4 DisplayPort interface supports Ver. 1.2 incl. Multi-Stream
Graphics notes	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

**Electrical values**

Power efficiency note	power supply efficiency (at 230V; 10% / 20% / 50% / 100% load) : 85% / 87% / 90% / 91%
Rated voltage range	100 V - 240 V
Rated frequency range	50 Hz - 60 Hz
Operating voltage range	90 V - 264 V
Operating line frequency range	47 Hz - 63 Hz
Max. output of single power supply	90 W (integrated in system)
Power factor correction/active power	active

**Power consumption**

Power consumption note	See white paper Energy Consumption
Link to Energy White Paper	<a href="http://docs.ts.fujitsu.com/dl.aspx?id=c3d34a26-d179-4533-80ff-cd0612a2f4d9">http://docs.ts.fujitsu.com/dl.aspx?id=c3d34a26-d179-4533-80ff-cd0612a2f4d9</a>

**Heat dissipation**

Heat dissipation notes	See white paper Energy Consumption
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**Noise emission**

Related Processors for noise	Intel® Core™ i7 6700T
Standard noise emission	2x4 GB, HDD, ODD, Windows According to ISO 7779:2010, ECMA-74
Standard noise notes / description	A-weighted sound power level L <sub>wad</sub> (in B) / Workplace related A-weighted sound pressure level L <sub>pAm</sub> (in dB(A))
Standard noise operation mode: CPU 50% load	4.5 B / 31 dB(A) Bystander; 32 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: Office applications 2.0	3.2 B / 18 dB(A) Bystander; 20 dB(A) Operator position
Blue angel noise emission according certification	According to ISO 7779:2010, ECMA-74 for max. possible configuration
Blue angel noise notes / description	A-weighted sound power level L <sub>wad</sub> (in B); 1B = 10dB
Blue angel noise operation mode: HDD load	3.6 B = 35 dB (A)
Blue angel noise operation mode: Idle mode	3.2 B = 32 dB (A)

**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 X956-T
Model	TSX1
Germany	TÜV GS Blauer Engel / Blue Angel
Europe	CE
USA/Canada	FCC Class B cCSAus

**Compliance**

<b>Global</b>	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) EPEAT® Gold (dedicated regions) ENERGY STAR® 6.0 (dedicated regions)
<b>Compliance link</b>	<a href="http://globalsp.ts.fujitsu.com/sites/certificates">http://globalsp.ts.fujitsu.com/sites/certificates</a>

**Additional Software**

<b>Additional software (preinstalled)</b>	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)
<b>Additional software (optional)</b>	Recovery DVD for Windows® Drivers & Utilities DVD (DUDVD)

**Manageability**

<b>Manageability technology</b>	DeskUpdate Driver management PXE 2.1 Boot code Wake up from S5 (off mode) WoL (Wake on LAN) iAMT 11.0 (depending on processor)
<b>Manageability software</b>	DeskView Client DeskView Instant BIOS Management DeskView Integration for Symantec Management Platform
<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>	Embedded security (TPM 2.0) EraseDisk (optional) Boot sector virus protection Write protect option for the Flash EPROM 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) Workplace Protect (secure authentication solution)
<b>Workplace Embedded Tools</b>	Auto BIOS Update via Fujitsu Server Auto BIOS Update via customer server (optional) Easy PC Protection (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

**Packaging information**

Material - Weight (g) EPS / PS	680 g
Material - Weight (lbs) EPS / PS	1.5 lbs
Material - Weight (g) PE	10 g
Material - Weight (lbs) PE	0.02 lbs
Packaging notes	printed user documentation is bleached in chlorin free process

**Warranty**

Warranty period	3 years
Warranty type	Bring-In / Onsite 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 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	<a href="http://www.fujitsu.com/fts/services/support">http://www.fujitsu.com/fts/services/support</a>

## Recommended Accessories

**UC&C USB Value Headset**

The FUJITSU UC&C USB Value Headset is a lightweight bi-aural full-size stereo headset with high wearing comfort. This Lync-tested USB-Headset has an appropriate Inline-Controller which supports easy call management. A noise cancelling microphone facilitates undisturbing clear phone calls.

Order Code:  
S26391-F7139-L20

**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 OPTIMIZATION Services

In addition to FUJITSU Desktop ESPRIMO X956/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 X956/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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