

# Data Sheet

## FUJITSU Desktop ESPRIMO X956

### Evolutionary PC for the Modern Office

The sophisticated FUJITSU ESPRIMO X956 All-in-One PC has all the advantages of a PC plus a multi-position 58.4 cm (23-inch) LED display and innovative face recognition for easy log on. 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 tidy desk and optimum working position, maximizing efficiency

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

#### Sleek, elegant design

Enjoy the next generation desktop innovations with seamless integration into the office environment

- Innovative industrial design addressing 21st century office requirements and style

#### Enhanced usability

Energy saving and simple log on to a modern operating system

- Multifunctional sensors for videoconferencing

#### Energy efficiency coupled with high performance

It's the best-in-class regarding low power consumption combined with new 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 with industry leading levels of data protection

- Intel® vPro™ technology (depending on processor), DeskView manageability tools and 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
<b>Operating systems</b>	
<b>Operating system</b>	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>	-3° / +35°
<b>Multi-Touch Support</b>	not supported
<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>	SSD PCIe 512 GB M.2 Highend
	SSD PCIe 256 GB M.2 Highend
	SSD PCIe 128 GB M.2 Highend
	SSD SATA III 512GB M.2
	SSD SATA III 256GB M.2
	SSD SATA III 128 GB M.2
	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, 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
<b>Hard disk notes</b>	HDD SATA II, 5,400 rpm, 1,000 GB, 2.5-inch*
	HDD SATA II, 5,400 rpm, 500 GB, 2.5-inch*
	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
<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

**I/O controller on board**

Serial ATA total	1
thereof SATA III	1
Controller functions	Serial ATA III (6 Gbit) NCQ AHCI

**Interfaces**

Audio: line-out / headphone	1
Audio: line-in / microphone	1
Internal microphones	optional with camera module
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
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**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 on board**

<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) : 85% / 87% / 90% / 91%
<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=ee91caa9-3646-49bc-93c9-3c93f34adc3e">http://docs.ts.fujitsu.com/dl.aspx?id=ee91caa9-3646-49bc-93c9-3c93f34adc3e</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 6700T
<b>Standard noise emission</b>	2x4 GB, HDD, ODD, Windows According to ISO 7779:2010, ECMA-74
<b>Standard noise notes / description</b>	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))
<b>Standard noise operation mode: CPU 50% load</b>	4.5 B / 31 dB(A) Bystander; 32 dB(A) Operator position
<b>Standard noise operation mode: HDD load</b>	3.3 B / 19 dB(A) Bystander; 20 dB(A) Operator position
<b>Standard noise operation mode: Idle mode</b>	3.2 B / 18 dB(A) Bystander; 19 dB(A) Operator position
<b>Standard noise operation mode: Office applications 2.0</b>	3.2 B / 18 dB(A) Bystander; 20 dB(A) Operator position
<b>Blue angel noise emission according certification</b>	According to ISO 7779:2010, ECMA-74 for max. possible configuration
<b>Blue angel noise notes / description</b>	A-weighted sound power level L <sub>wad</sub> (in B); 1B = 10dB
<b>Blue angel noise operation mode: HDD load</b>	3.6 B = 35 dB (A)
<b>Blue angel noise operation mode: Idle mode</b>	3.2 B = 32 dB (A)

**Dimensions / Weight / Environmental**

<b>Dimensions (W x D x H)</b>	533 x 224 x 419 mm 20.99 x 8.82 x 16.6 inch
<b>Operating position</b>	Vertical
<b>Weight</b>	5.94 kg
<b>Weight (lbs)</b>	13.11 lbs
<b>Weight notes</b>	Actual weight may vary depending on configuration
<b>Operating ambient temperature</b>	10 - 35 °C (50 - 95 °F)
<b>Operating relative humidity</b>	5 - 85 % (relative humidity)

**Compliance**

<b>Product</b>	ESPRIMO X956
<b>Model</b>	TSX1
<b>Germany</b>	TÜV GS
<b>Europe</b>	CE
<b>USA/Canada</b>	FCC Class B cCSAus
<b>Global</b>	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) ENERGY STAR® 6.0 in progress EPEAT® Gold (dedicated regions) (planned)
<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)

**Security**

<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)
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**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 EMEA, for all other countries depending on local regulations)
<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

**MicroSaver Slim**

The Fujitsu Kensington MicroSaver slim features the patented T-Bar locking mechanism with carbon tempered steel core cable and an external braided steel sheath. The MicroSaver slim is available with Kensington Master Access. This security solution allows you to manage and maintain a limitless number of locks with a master key.

Order Code:  
S26361-F1650-L200

**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 for security.

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

# More information

## Fujitsu OPTIMIZATION Services

In addition to FUJITSU Desktop ESPRIMO X956, 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, 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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