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

Processor	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
Operating systems	
Operating system	Windows 10 Pro Windows 10 Home Windows 8.1 Pro Windows 7 Professional 64-bit Windows 7 Professional 32-bit
Operating system compatible	Windows 10 Pro (license + recovery media only) openSUSE Linux
Microsoft OS support information	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.
Multimedia module (optional)	
Display	
Tilt angle	-3° / +35°
Multi-Touch Support	not supported
Screen Surface Treatment	Anti-glare
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
Diagonal Size	58.4 cm (23-inch)
Resolution (native)	1,920 x 1,080 pixel
Pixel Pitch	0.265 mm
Memory modules	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

Hard disk drives (internal)	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
	HDD SATA II, 5,400 rpm, 1,000 GB, 2.5-inch*
	HDD SATA II, 5,400 rpm, 500 GB, 2.5-inch*
Hard disk notes	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)
Graphics	DP to DVI-D (single link) Adapter Cable
Interface add on cards/components (optional)	
	M.2 WLAN 802.11ac (2x2) and BT 4.1 (dedicated regions only, up to BT 4.2 depending on OS version)

Base unit

Base unit	ESPRIMO X956
Mainboard	
Mainboard type	D3444
Formfactor	proprietary
Chipset	Intel® Q170
Processor socket	LGA 1151
Processor quantity maximum	1
Supported capacity RAM (max.)	32 GB
Memory slots	2 DIMM (DDR4)
Memory frequency	2,133 MHz
Memory notes	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
LAN	10/100/1,000 MBit/s Intel® I219LM
Integrated WLAN	1 (optional with Bluetooth together)
BIOS version	AMI Aptio V
BIOS features	BIOS Flash EPROM update by software Recovery BIOS Unified Extensible Firmware Interface (UEFI) CSM (Compatibility Support Module)
Audio type	On board
Audio codec	Realtek ALC671
Audio features	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
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 on board	
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	http://docs.ts.fujitsu.com/dl.aspx?id=ee91caa9-3646-49bc-93c9-3c93f34adc3e
Heat dissipation	
Heat dissipation notes	See white paper Energy Consumption
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 Lwad (in B) / Workplace related A-weighted sound pressure level LpAm (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 Lwad (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)	533 x 224 x 419 mm 20.99 x 8.82 x 16.6 inch
Operating position	Vertical
Weight	5.94 kg
Weight (lbs)	13.11 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
Model	TSX1
Germany	TÜV GS Blauer Engel / Blue Angel
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 in progress EPEAT® Gold (dedicated regions) (planned)
Compliance link	http://globalsp.ts.fujitsu.com/sites/certificates

Additional Software	
Additional software (preinstalled)	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) WoL (Wake on LAN) iAMT 11.0 (depending on processor)
Manageability software	DeskView Client DeskView Instant BIOS Management DeskView Integration for Symantec Management Platform
DeskView components	Inventory Management BIOS Management Driver Management Security Management Alarm Management
Supported standards	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)
Manageability link	http://www.fujitsu.com/fts/manageability

Security	
Physical Security	Kensington Lock support
System and BIOS Security	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
User Security	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	
Workplace Embedded Tools	Auto BIOS Update via Fujitsu Server Auto BIOS Update via customer server (optional) Easy PC Protection (optional)

Packaging information	
Packaging dimension (mm)	648 x 275 x 545 mm
Packaging dimension (inch)	25.51 x 10.83 x 21.46 inch
Max. quantity / pallet	16
Material - Weight (g) Carton	1300 g
Material - Weight (lbs) Carton	2.87 lbs
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 EMEIA, for all other countries depending on local regulations)
Warranty Terms & Conditions	http://support.ts.fujitsu.com/warranty
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	http://www.fujitsu.com/fts/services/support

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/

Software
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

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

Green Policy Innovation

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Contact
FUJITSU Technology Solutions GmbH
Website: www.fujitsu.com/fts
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