FUJITSU

Fujitsu recommends Windows 10 Pro.

Data Sheet
FUJITSU Desktop ESPRIMO Q556/2

The Mini with More PC per cm³

The FUJITSU ESPRIMO Q556/2, featuring full desktop PC functionality in a stylish and compact mini PC, is a real eye-catcher on your desk. The latest generation Intel® Core™ processors provide the performance to meet your daily office needs. The Zero Noise PC function ensures silent operation. An integrated 90%-efficient power supply reduces your energy bill. With its innovative Low Power Active Mode feature you are ready for instant communication in the modern office. Its compact size and wide range of interfaces make the FUJITSU ESPRIMO Q556/2 your first choice for locations where space saving is key.

An elegant mini PC for challenging office tasks
Eye-catching exclusive modern design
■ Fully equipped PC with a volume of ~2.0 liters - based on standard desktop technology

Always Available Office PC - stay connected and save power
Be ready for instant communication and a significantly reduced energy bill
■ Innovative Low Power Active Mode and highly energy-efficient integrated power-supply

Made in Germany
Outstanding quality and stable functions based on German production standards
■ The development, production and functionality tests - all under one roof in Germany

Superb usability
Efficient working environment due to a tidy desk
■ Horizontal or vertical operations and an optional VESA mount, service door for easy upgrade of major components

Latest technology
Get your office task done quickly and efficiently
■ 7th generation Intel® Core™ processor family

Components

Operating systems	
Operating system pre-installed	Windows 10 Pro. Fujitsu recommends Windows 10 Pro. Windows 10 Home
Operating system compatible	Windows 7 Professional 32-bit (available through downgrade rights from Windows 10 Pro) (with 6th generation Intel® processors) Windows 7 Professional 64-bit (available through downgrade rights from Windows 10 Pro) (with 6th generation Intel® processors) openSUSE Linux (with 6th generation Intel® processors)
Operating system notes	Systems with 7th generation Intel® processor receive support from Microsoft with Windows 10 Home / Windows 10 Pro only. For more information, please see Microsoft Support Lifecycle. Downgrade to Microsoft Windows 7 Professional only available with 6th generation Intel® processor Certified for SUSE Enterprise Desktop Windows 10 Support: After the end of the product life FUJITSU will continue to test and support all upcoming Window 10 releases for a period of maximum 5 years – depending on the available extension of hardware services through FUJITSU Warranty top ups. For details please see "FUJITSU Service Statement for Windows 10 Semi-Annual-Channel Support" at http://support.ts.fujitsu.com.
	*with Intel® Turbo Boost Technology 2.0 (clock speed and performance will vary depending on workload and other variables) **6th generation Intel® processor
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)

Base unit

Base unit	ESPRIMO Q556/2
Mainboard	
Mainboard type	D3403-U
Formfactor	proprietary
Chipset	Intel® H110
Processor socket	LGA 1151
Processor quantity maximum	1
Supported capacity RAM (max.)	32 GB
Memory slots	2 DIMM (DDR4)
Memory frequency	2,400 MT/s
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 DDR4 2,400 MHz will be clocked with 2,133 MHz in combination with 6th generation Intel® processor
LAN	10/100/1,000 MBit/s Realtek RTL8111GN
Integrated WLAN	1 (optional with Bluetooth together)
BIOS version	AMI Aptio V UEFI Specification 2.5
BIOS features	BIOS Flash EPROM update by software Recovery BIOS Unified Extensible Firmware Interface (UEFI) CSM (Compatibility Support Module)
Audio type	On board

Mainboard

Audio codec	Realtek ALC671
Audio features	Internal speaker supports audio playback (optional), High Definition audio

I/O controller on board

Serial ATA total	2
thereof SATA III	2
Controller functions	Serial ATA III (6 Gbit) NCQ AHCI

Interfaces

Audio: line-out	1
Front audio: microphone	1
Front audio: headphone	1
USB 2.0 total	2
USB 3.1 Gen1 (USB 3.0) total	4
USB front	2x USB 3.0
USB rear	2x USB 2.0 and 2x USB 3.0
VGA	optional: via external active adapter cable
DisplayPort	1
DVI	1 (DVI-D)
Serial (RS-232)	1 9pin, 16 byte FIFO, 16550 compatible
Mouse / Keyboard (PS/2)	0/1 (with PC on/off function on Pin6)
Ethernet (RJ-45)	1
Interface Module notes	Anytime USB charge functionality

Input device / components

Input devices (optional)	Keyboard Mouse KBPC PX ECO Mouse M440 ECO

Drive bays

Drive bays total	3
2.5-inch internal bays	1
5.25-inch external bays	1
Drive bay notes	slim tray for 5.25"
M.2-2280	1 x on mainboard for SSD NVMe (PCIe 2.0 x2; up to 10Gbit/s)

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, Intel® HD Graphics 610, Intel® HD Graphics 630
Shared video memory	up to 1,782 MB
TFT resolution (DVI)	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

Graphics on board

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 3,440 x 1,440 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 DVI-D interface supports audio output for HDMI monitors
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; 2 Watt/ 10% / 20% / 50% / 100% load) : > 85%/ 90% / 90% / 92% / 92%
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	65 W (integrated in system)
Power factor correction/active power	No (meets input harmonic current according EN61000-3-2)

Power consumption

Power consumption note	See white paper Energy Consumption
Link to Energy White Paper	http://docs.ts.fujitsu.com/dl.aspx?id=e5df6561-85b4-4ccf-bb28-9787b61a3ec6

Heat dissipation

Heat dissipation notes	See white paper Energy Consumption

Noise emission

Related Processors for noise	Intel® Core™ i7 7700T
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	3.6 B / 24 dB(A) Bystander; 26 dB(A) Operator position
Standard noise operation mode: HDD load	3.1 B / 18 dB(A) Bystander; 18 dB(A) Operator position
Standard noise operation mode: Idle mode	3.0 B / 17 dB(A) Bystander; 17 dB(A) Operator position
Standard noise operation mode: ODD load	4.4 B / 30 dB(A) Bystander; 34 dB(A) Operator position
Standard noise operation mode: Office applications 2.0	3.0 B / 17 dB(A) Bystander; 17 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

Noise emission

Blue angel noise operation mode: HDD load	3.3 B = 33 dB (A)
Blue angel noise operation mode: Idle mode	3.2 B = 32 dB (A)
Blue angel noise operation mode: ODD load	4.5 B = 45 dB (A)

Dimensions / Weight / Environmental

Dimensions (W x D x H)	185 x 190 x 54 mm; with VESA cover: 185 x 190 x 56.2 mm
	7.29 x 7.49 x 2.13 inch
Operating position	Vertical / horizontal (no feet needed)
VESA mount	optional VESA cover required
Weight	1.6 kg
Weight (lbs)	3.53 lbs
Weight notes	Weight may vary depending on actual configuration (without ODD)
Operating ambient temperature	10 - 35 °C (50 - 95 °F)
Operating relative humidity	5 - 85 % (relative humidity)

Compliance

Product	ESPRIMO Q556/2
Model	MPC3
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® 6.1 (dedicated regions) EPEAT® Gold (dedicated regions) TCO Certified Desktop
China	CCC (depending on configuration) CEL (Chinese energy label)
Compliance notes	This product is free of polyvinyl chloride (PVC) when ordered with the optional PVC free power cord
Compliance link	https://sp.ts.fujitsu.com/sites/certificates

Additional Software

Additional software (preinstalled)	Adobe® Reader® (pdf reader) McAfee® LiveSafe™ (provides award-winning antivirus protection for your PC and much more. 30 days trial pre-installed) Microsoft Office (1 month trial for new Microsoft® Office 365 customers. Buy Microsoft Office.)
Additional software (optional)	Recovery DVD for Windows® Drivers & Utilities DVD (DUDVD) CyberLink PowerDVD BD (playback software for Blu-ray Disc™) CyberLink PowerDVD DVD (playback software for DVD) Nero Essentials XL Microsoft® Office Professional 2019 Microsoft® Office Home and Business 2019 (A Microsoft Account is required to activate each copy of these products. For purchase and activation only in the region in which it was acquired.)

Manageability

Security

Physical Security	Kensington Lock support Eye for padlock Housing Lock Spring (to use with Kensington lock), (optional)

Security

System and BIOS Security	Embedded security (TPM 2.0) EraseDisk (optional) Credential Guard Ready and Device Guard Capable (Windows 10, v. 1511) 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)
Workplace Embedded Tools	Auto BIOS Update via Fujitsu Server Auto BIOS Update via customer server Easy PC Protection

Miscellaneous

	Keyboard on (Special Fujitsu keyboard required) Thermal management Low Power Active Mode Extended lifetime

Serviceability

	EasyChange for HDD EasyChange for optical drives

Packaging information

Packaging dimension (mm)	395 x 198 x 284 mm
Packaging dimension (inch)	15.55 x 7.8 x 11.18 inch
Max. quantity / pallet	84
Material - Weight (g) Carton	670 g
Material - Weight (lbs) Carton	1.48 lbs
Material - Weight (g) EPS / PS	10 g
Material - Weight (lbs) EPS / PS	0.02 lbs
Material - Weight (g) PE	125 g
Material - Weight (lbs) PE	0.28 lbs
Packaging notes	If keyboard is inlcuded in packaging: 1.)packaging dimension is increasing to: 500 x 208 x 290mm / (19.69 x 8.19 x 11.42 inch); 2.) material weight of carton will increase to 880g; 3.) max. quantity/pallet = 56; printed user documentation is bleached in chlorin free process;

Warranty

Warranty period	1 year (for countries in EMEIA)
Warranty type	Bring-In / Onsite Service (for countries within region EMEIA, for all other countries depending on local regulations)
Warranty Terms & Conditions	http://www.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
	5 years
Service Weblink	http://www.fujitsu.com/emeia/products/product-support-services/

Recommended Accessories

Universal Monitor Stand		Save desk space without compromising performance or productivity with the Universal Monitor Stand that brings together a FUJITSU Desktop ESPRIMO Q mini PC or FUJITSU Thin Client FUTRO and a VESA compatible FUJITSU Display. For optimum ergonomics the height and tilt angle of the display can be adjusted, helping you to stay productive and comfortable, whilst hassle-free installation of the devices on the stand makes the life of your IT department easier.	Order Code: S26361-F2601-L700
Display P24-8 TE Pro		FUJITSU P24-8 TE Pro Display, the perfect choice for demanding and tidy workplaces. Besides thin bezels and cable guide it also boasts unique features such as USB support in standby and the patent-applied Presence Sensor to detect the user's absence. With the call indicator you are prepared for modern Skype for Business applications.	Order Code: S26361-K1593-V140
Blue LED Mouse GL9000		Blue LED Mouse GL9000 comes in a slim design with proven Fujitsu engineering quality. The state-of-the-art blue LED sensor enables ultra precise switchable resolution at 1,000, 1,500 and 2,000 dpi. Blue LED Mouse GL9000 makes your life easier because it's tailor-made for right handed users. It just feels great in your hand.	Order Code: S26381-K438-L100
Keyboard KB950 Phone		The KB950 Phone is a modern and slim line USB keyboard with integrated Skype for business features. This extremely reliable, high-speed input device is the perfect way to manage incoming and outgoing calls, even when the system is locked. Three additional keys make it easy to accept and end calls and mute your microphone during a call. Easy number dialing is assured with the numpad. The integrated 61 x 12 mm display shows the time and date, the user status and shows incoming call data in the form of the calling number and caller ID.	S26381-F950-L4** (**: Country specific variation)

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More information

Fujitsu products, solutions & services

In addition to FUJITSU Desktop ESPRIMO Q556/2, 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 Q556/2, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/emeia/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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