Fujitsu recommends Windows 10 Pro.

Data Sheet
FUJITSU Desktop ESPRIMO Q558

Powerful PC functionality in small package

The FUJITSU ESPRIMO Q558, featuring full desktop PC functionality in a stylish and compact mini PC, is a real eye-catcher on your desk. Up to 9th Gen Intel® Core™ processors provide the performance to meet your daily office needs. The Zero Noise PC function ensures silent operation. With its integrated, energy-efficient power supply and an innovative Low Power Active Mode feature, this mini PC helps reduce your energy bill while ensuring instant communication capabilities in your office. Its compact size and wide range of interfaces make the FUJITSU ESPRIMO Q558 an ideal choice for offices where space saving is critical for the business.



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

Zero Noise PC
Pleasant working environment due to completely quiet system (solid state disk required)
- Fan stop in standard operations

Superb usability
Efficient working environment due to a tidy desk with perfect access to front connectors
- Horizontal or vertical operations and an optional VESA mount, easy upgrade of major components

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 energy-efficient, integrated power supply

Manageability and Ease of Use
"Plug & work" PC that ensures smooth system administration
- Easy to integrate into existing IT landscapes and reliable DeskView manageability tools

Components

Operating systems	
Operating system pre-installed	Windows 10 Pro. Fujitsu recommends Windows 10 Pro. Windows 10 Home
Operating system notes	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.
Processor	Intel® Core™ i7-8700T processor (6 Cores / 12 Threads, 2.40 GHz, up to 4.0 GHz, 12 MB, Intel® UHD Graphics 630) *
	Intel® Core™ i5-9400T processor (6 Cores / 6 Threads, 1.80 GHz, up to 3.4 GHz, 9 MB, Intel® UHD Graphics 630) *
	Intel® Core™ i5-8500T processor (6 Cores / 6 Threads, 2.10 GHz, up to 3.5 GHz, 9 MB, Intel® UHD Graphics 630) *
	Intel® Core™ i5-8400T processor (6 Cores / 6 Threads, 1.70 GHz, up to 3.3 GHz, 9 MB, Intel® UHD Graphics 630) *
	Intel® Core™ i3-8100T processor (4 Cores / 4 Threads, 3.10 GHz, 6 MB, Intel® UHD Graphics 630)
	Intel® Core™ i7-9700T processor (8 Cores / 8 Threads, 2.00 GHz, up to 4.3 GHz, 12 MB, Intel® UHD Graphics 630) *
	Intel® Core™ i5-9500T processor (6 Cores / 6 Threads, 2.20 GHz, up to 3.7 GHz, 9 MB, Intel® UHD Graphics 630) *
	Intel® Core™ i5-8500 processor (6 Cores / 6 Threads, 3.00 GHz, 9 MB, Intel® UHD Graphics 630)
	Intel® Core™ i5-8400 processor (6 Cores / 6 Threads, 2.80 GHz, 9 MB, Intel® UHD Graphics 630)
	Intel® Core™ i3-9100 processor (4 Cores / 4 Threads, 3.60 GHz, up to 4.2 GHz, 6 MB, Intel® HD Graphics 630) *
	Intel® Core™ i3-8100 processor (4 Cores / 4 Threads, 3.60 GHz, 6 MB, Intel® UHD Graphics 630)
	Intel® Pentium® Gold G5420 (2 Cores / 4 Threads, 3.80 GHz, 4 MB, Intel® UHD Graphics 610)
	Intel® Pentium® Gold G5400 processor (2 Cores / 4 Threads, 3.70 GHz, 4 MB, Intel® UHD Graphics 610)
	Intel® Celeron® processor G4930 (2 Cores / 2 Threads, 3.20 GHz, 2 MB, Intel® UHD Graphics 610)
	*with Intel® Turbo Boost Technology (clock speed and performance will vary depending on workload and other variables)
Memory modules	4 GB (1 module(s) 4 GB) DDR4, non-ECC, 2,666 MT/s, SO DIMM
	8 GB (1 module(s) 8 GB) DDR4, non-ECC, 2,666 MT/s, SO DIMM
	16 GB (1 module(s) 16 GB) DDR4, non-ECC, 2,666 MT/s, SO DIMM
Hard disk drives (internal)	SSD PCIe, 1024 GB M.2 NVMe module
	SSD PCIe, 512 GB M.2 NVMe module
	SSD PCIe, 256 GB M.2 NVMe module
	SSD PCIe, 1024 GB M.2 NVMe module, SED
	SSD PCIe, 512 GB M.2 NVMe module, SED
	SSD PCIe, 256 GB M.2 NVMe module, SED
	SSD SATA III, 1024 GB, 2.5-inch
	SSD SATA III, 512 GB, 2.5-inch
	SSD SATA III, 256 GB, 2.5-inch
	SSD SATA III, 128 GB, 2.5-inch
	SSD SATA III, 64 GB, 2.5-inch
	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 III, 5,400 rpm, 500 GB, 2.5-inch
Hard disk notes	SSD (Solid State Disk) SED (Self-Encrypting Drive)
Graphics	DP to DVI-D (single link) Adapter Cable
Drives (optional)	BD Triple Writer SATA ultra slim (tray)
	DVD Super Multi ultra slim (tray)

Interface add on cards/components (optional)	
	Serial Port
	M.2 WLAN 802.11ac (2x2) and BT 5 (dedicated regions only)

Base unit

Base unit	ESPRIMO Q558
Mainboard	
Mainboard type	D3603
Formfactor	proprietary
Chipset	Intel® H310
Processor socket	LGA 1151
Processor quantity maximum	1
Supported capacity RAM (max.)	32 GB
Memory slots	2 DIMM (DDR4)
Memory frequency	2,666 MT/s
Memory notes	Dual channel support For dual channel performance, 2 memory modules have to be ordered. Capacity per channel has to be the same. 2666 MHz may be clocked down to 2400 MHz depending on processor and memory configuration
LAN	10/100/1,000 MBit/s Realtek RTL8111GN
Integrated WLAN	1 (optional with Bluetooth together)
BIOS version	AMI Aptio V UEFI Specification 2.6
BIOS features	BIOS Flash EPROM update by software Recovery BIOS Unified Extensible Firmware Interface (UEFI) Support for Compatibility Support Module (CSM) is no longer possible on systems with 8th Generation Intel® Core™ i technology
Audio type	On board
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	4
USB 3.1 Gen1 (USB 3.0) total	4
USB front	2x USB 3.0
USB rear	4x USB 2.0 and 2x USB 3.0
VGA	optional: via external active adapter cable
DisplayPort	2
DVI	1 (DVI-D)
Serial (RS-232)	optional: serial port (9pin, 16 byte FIFO, 16550 compatible)

Interfaces	
Mouse / Keyboard (PS/2)	0/1 optional (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
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® UHD Graphics 610, Intel® UHD Graphics 630
Shared video memory	Up to half size of total system memory
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
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® 4.5 DisplayPort interface supports Ver. 1.2 incl. Multi-Stream DVI-D interface supports audio output if connected to the HDMI interface of a display via suitable adapter cables (not included)
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

Electrical values	
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=51a9ac25-4489-41f0-afcf-386a82abfcb6
Heat dissipation	
Heat dissipation notes	See white paper Energy Consumption
Noise emission	
Related Processors for noise	Intel® Core™ i7 8700T
Standard noise emission	2x4 GB, SSD, 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	3.2 B / 18 dB(A) Bystander; 20 dB(A) Operator position
Standard noise operation mode: HDD load	3.0 B / 17 dB(A) Bystander; 16 dB(A) Operator position
Standard noise operation mode: Idle mode	3.0 B / 16 dB(A) Bystander; 16 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 / 16 dB(A) Bystander; 16 dB(A) Operator position
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	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 Q558
Model	MPC3
Germany	TÜV GS
Europe	CE
USA/Canada	FCC Class B cTUVus
Global	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) ENERGY STAR® 7.1 EPEAT® Bronze (dedicated regions)
China	CCC (planned) CCC (depending on configuration) CEL (Chinese energy label) TPM 2.0 for China (optional)
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	
Manageability technology	DeskUpdate Driver management PXE 2.1 Boot code Wake up from S5 (off mode) WoL (Wake on LAN)
Manageability software	DeskView Client DeskView Instant BIOS Management
DeskView components	BIOS Management incl. Security Inventory Management Driver 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
Physical Security	Kensington Lock support Eye for padlock Housing Lock Spring (to use with Kensington lock), (optional)
System and BIOS Security	Embedded security (TPM 2.0) EraseDisk (optional) Credential Guard Ready and Device Guard Capable (Windows 10, v. 1809; requires 8 GB or more system RAM and SSD PCIe NVME) 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) Keyboard on with one key (KBPX Eco, KB521) Keyboard on with 2 keys (CTRL+CTRL) with PS2 or special USB keyboards Keyboard on with any key (USB) Thermal management Low Power Active Mode Extended lifetime

Miscellaneous	
Accessories information	Further helpful options Desktop Accessories: http://www.fujitsu.com/global/products/computing/peripheral/accessories/desktop/ http://www.fujitsu.com/global/products/computing/peripheral/accessories/connectivity/ Stands and Mounting kits: http://www.fujitsu.com/global/products/computing/peripheral/accessories/desktop/ums/index.html Available Adapters: http://globalsp.ts.fujitsu.com/dmsp/Publications/public/pos-connectivity.pdf
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

Mounting Kit for Height Adjustable FUJITSU Displays



The FUJITSU Mounting Kit for Height Adjustable FUJITSU Displays has been specifically designed for use with ESPRIMO Q/G mini PCs, FUTRO Thin Clients and FUJITSU Displays. By mounting an ESPRIMO mini PC or a FUTRO Thin Client behind a display, you can save space on the desk, reduce clutter on desk and realize a clean desk working environment.

Order Code:
S26361-F2542-L452

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

Wireless Mouse Touch WI910 	The Fujitsu Wireless Mouse Touch WI910 has a special touch sensitive surface that recognizes when your hand touches the mouse even before you move it. This provides nearly instantaneous wake-up from the intelligent energy saving sleep mode. Unbeatable responsiveness combines with features like switchable resolution, and three programmable buttons for a unique user experience.	Order Code: S26381-K465-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)

More information

Fujitsu products, solutions & services

In addition to FUJITSU Desktop ESPRIMO Q558, 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 Q558, 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



Copyrights

All rights reserved, including intellectual property rights. Designations may be trademarks and/or copyrights of the respective owner, the use of which by third parties for their own purposes may infringe the rights of such owner. For further information see http://www.fujitsu.com/emeia/resources/navigation/terms-of-use.html
Copyright 2019 Fujitsu Technology Solutions GmbH

Disclaimer

Technical data is subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective owner, the use of which by third parties for their own purposes may infringe the rights of such owner.

Contact
Fujitsu Technology Solutions GmbH
Website: www.fujitsu.com
2019-11-01 EM-EN

All rights reserved, including intellectual property rights. Designations may be trademarks and/or copyrights of the respective owner, the use of which by third parties for their own purposes may infringe the rights of such owner. For further information see http://www.fujitsu.com/emeia/resources/navigation/terms-of-use.html
Copyright 2019 Fujitsu Technology Solutions GmbH