FUJITSU

Data Sheet
Fujitsu ESPRIMO D958

Combines High Efficiency with Manageability

The FUJITSU ESPRIMO D958 Desktop provides maximum manageability, performance and expandability. Up to 9th Gen Intel® Core™ processor and Intel® vPro™ technology, combined with the DeskView manageability suite support professional computing and advanced manageability. The low-noise design supports a pleasant working environment. Its innovative Low Power Active Mode feature ensures instant communication in the office. The high production quality helps extend the product lifetime and 94%-efficient power supplies reduce your energy bills. Finally, the Fujitsu EraseDisk function ensures your data is securely wiped on retirement.

Expandability
Easily customizable and highly expandable business desktop PC
■ 10 l housing, more I/O slots, serial connector to help you build your own desktop systems, tailer-made to your specific business needs

Low Noise Design
Pleasant working environment due to an extremely quiet system
■ Innovative hardware design, optimized cooling concept ensures silent operations

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

Superior system management
Simple system administration for complex IT infrastructures
■ Intel® vPro™ technology (depending on processor) and DeskView manageability suite

Easy serviceability and usability
Features designed for easy access, control and use of the system
■ Tool-less access to components; front connectors and interfaces for ease of use with USB Type-C (USB 3.1 Gen2) front connector

Components

	ESPRIMO D958/E85+	ESPRIMO D958/E94+
Processor	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™ i5-9500 processor (6 Cores / 6 Threads, 3.00 GHz, up to 4.4 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® vPro® Platform Logo with Intel® Core™ i5 and Intel® Core™ i7 processors *with Intel® Turbo Boost Technology 2.0 (clock speed and performance will vary depending on workload and other variables)	

Operating systems

Operating system pre-installed	Windows 10 Pro. Fujitsu recommends Windows 10 Pro for business. 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.	

	ESPRIMO D958/E85+	ESPRIMO D958/E94+
Memory modules	8 GB (1 module(s) 8 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM	

	ESPRIMO D958/E85+	ESPRIMO D958/E94+
Graphics	Entry 3D: NVIDIA® Quadro® P400 , 2 GB, PCIe x16, 3 x miniDP Others: MiniDP to DP Adapter Cable Others: DP to DVI-D (single link) Adapter Cable	

	ESPRIMO D958/E85+	ESPRIMO D958/E94+
Hard disk drive	HDD SATA III, 7,200 rpm, 1,000 GB, 3.5-inch HDD SATA III, 7,200 rpm, 1,000 GB, 3.5-inch, business critical HDD SATA III, 7,200 rpm, 2,000 GB, 3.5-inch SSD PCIe, 1024 GB M.2 NVMe Highend module SSD PCIe, 1024 GB M.2 NVMe module SSD PCIe, 1024 GB M.2 NVMe module, SED SSD PCIe, 256 GB M.2 NVMe Highend module SSD PCIe, 256 GB M.2 NVMe module SSD PCIe, 256 GB M.2 NVMe module, SED SSD PCIe, 512 GB M.2 NVMe Highend module SSD PCIe, 512 GB M.2 NVMe module SSD PCIe, 512 GB M.2 NVMe module, SED SSD SATA III, 1024 GB, 2.5-inch SSD SATA III, 128 GB, 2.5-inch SSD SATA III, 256 GB, 2.5-inch SSD SATA III, 512 GB, 2.5-inch	
Hard disk notes	SSD (Solid State Disk) SED (Self-Encrypting Drive)	

	ESPRIMO D958/E85+	ESPRIMO D958/E94+
Optical drive	MultiCard Reader 24in1 USB 2.0 3.5", USB 2.0 DVD Super Multi ultra slim (tray), SATA BD Triple Writer SATA ultra slim (tray), SATA	

	ESPRIMO D958/E85+	ESPRIMO D958/E94+
Interfaces add on cards / components	Dual serial card PCIe x1	

	ESPRIMO D958/E85+	ESPRIMO D958/E94+

Base unit

Base unit	ESPRIMO D958/E85+	ESPRIMO D958/E94+
Mainboard		
Mainboard type	D3632	
Formfactor	proprietary	
Chipset	Intel® Q370	
Processor socket	LGA 1151	
Processor quantity maximum	1	
Supported capacity RAM (max.)	64 GB	
Memory slots	4 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 Intel® I219LM	
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, 5.1 surround sound	
I/O controller on board		
Serial ATA total	5	
thereof SATA III	5	
thereof eSATA	2	
Controller functions	Serial ATA III (6 Gbit) NCQ AHCI RAID 0/1/5/10	
Interfaces		
Audio: line-in	1	1
Audio: line-out	1	1
Front audio: microphone	1	1
Front audio: headphone	1	1
USB 2.0 total	4	4
USB 3.1 Gen1 (USB 3.0) total	4	4
USB 3.1 Gen2 total	3 and 2 optional via add on card	3 and 2 optional via add on card
USB front	1x USB 2.0; 2x USB 3.1 (gen 2); 1x USB 3.1 (gen2) Type C; optional: additional 1x USB 3.1 Type C (Gen2) via add on card and front adapter bay	1x USB 2.0; 2x USB 3.1 (gen 2); 1x USB 3.1 (gen2) Type C; optional: additional 1x USB 3.1 Type C (Gen2) via add on card and front adapter bay
USB rear	2x USB 2.0; 4x USB 3.1 (gen1); optional: additional 1x USB 3.1 Type C (Gen2) via add on card	2x USB 2.0; 4x USB 3.1 (gen1); optional: additional 1x USB 3.1 Type C (Gen2) via add on card
USB internal	1x USB 2.0	1x USB 2.0
VGA	optional: via adapter card	optional: via adapter card
DisplayPort	2	2
DVI	1 (DVI-D)	1 (DVI-D)
Serial (RS-232)	optional: serial port (9pin, 16 byte FIFO, 16550 compatible)	optional: serial port (9pin, 16 byte FIFO, 16550 compatible)
Mouse / Keyboard (PS/2)	2	2
Ethernet (RJ-45)	1	1

Interfaces

Parallel	1 (optional) (25pin with EPP and ECP)	1 (optional) (25pin with EPP and ECP)
eSATA	1 (optional)	1 (optional)
Interface Module notes	Anytime USB charge functionality, USB Typ C connector supports up to 15W	Anytime USB charge functionality, USB Typ C connector supports up to 15W

Input device / components

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

Drive bays

3.5-inch internal bays	1
3.5-inch external bays	1
5.25-inch external bays	1
Drive bay notes	5,25" bay: for slim optical disc drive only; internal 3.5" bay: 1x 3.5" drive (screwless) or 1x 2.5" drive (screws) or optional via adapter for 1x or 2x 2.5" drives (screwless); external 3.5" bay: optional as internal 3.5" bay (screws)
M.2-2280	1 x on mainboard for SSD NVMe (PCIe 3.0 x4; up to 32Gbit/s; supports Intel® Optane™ technology)

Slots

PCI-Express 3.0 x1	2 x (174 mm / 6.85 inch) Low profile
PCI-Express 3.0 x4 (mech. x16)	1 x (174 mm / 6.85 inch)
PCI-Express 3.0 x16	1 x (174 mm / 6.85 inch) Low profile
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 (VGA)	1,024 x 768 pixel 1,280 x 1,024 pixel 1,360 x 768 pixel 1,440 x 900 pixel 1,600 x 900 pixel 1,600 x 1,200 pixel 1,680 x 1,050 pixel 1,920 x 1,080 pixel
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 on board

Graphics features	Support for up to three independent displays DirectX® 12 HDCP support OpenCL™ 2.0 (requires Intel® Core™ i3, i5 or i7 processors) OpenGL® 4.5 For multi monitoring mode, graphics card and integrated graphics run in parallel 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

Base unit	ESPRIMO D958/E85+	ESPRIMO D958/E94+

Electrical values

	ESPRIMO D958/E85+	ESPRIMO D958/E94+
Power efficiency note	power supply efficiency at 10% / 20% / 50% / 100% load for 230V: 80% / 85% /88% / 87%; for 115V: 79%/ 84%/ 87%/ 84%	power supply efficiency at 10% / 20% / 50% / 100% load for 230V: 87% / 91% / 94% / 93%; for 115V: 86%/ 90%/ 92%/ 90%
Rated voltage range	100 V - 240 V	100 V - 240 V
Rated frequency range	50 Hz - 60 Hz	50 Hz - 60 Hz
Operating voltage range	90 V - 264 V	90 V - 264 V
Operating line frequency range	47 Hz - 63 Hz	47 Hz - 63 Hz
Max. output of single power supply	210 W	280 W
Power factor correction/active power	active	active
Monitor outlet	No	Switched

Base unit	ESPRIMO D958/E85+	ESPRIMO D958/E94+

Power consumption

	ESPRIMO D958/E85+	ESPRIMO D958/E94+
Power consumption note	See white paper Energy Consumption	See white paper Energy Consumption
Link to Energy White Paper	http://docs.ts.fujitsu.com/dl.aspx?id=fb0de8f6-8008-4444-b883-fc9962be281c	http://docs.ts.fujitsu.com/dl.aspx?id=b643a9c2-21c5-4ff3-a608-405cb1e0384a

Noise emission

	ESPRIMO D958/E85+	ESPRIMO D958/E94+
Related Processors for noise	Intel® Core™ i7 8700	
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	3.5 B / 21 dB(A) Bystander; 23 dB(A) Operator position	3.5 B / 21 dB(A) Bystander; 23 dB(A) Operator position (HDD 3.5"); 3.3 B / 19 dB(A) Bystander; 22 dB(A) Operator position (SSD M.2)
Standard noise operation mode: HDD load	3.5 B / 21 dB(A) Bystander; 22 dB(A) Operator position	3.4 B / 21 dB(A) Bystander; 22 dB(A) Operator position (HDD 3.5"); 3.2 B / 18 dB(A) Bystander; 21 dB(A) Operator position (SSD M.2)
Standard noise operation mode: Idle mode	3.3 B / 20 dB(A) Bystander; 20 dB(A) Operator position	3.3 B / 19 dB(A) Bystander; 19 dB(A) Operator position (HDD 3.5"); 3.0 B / 16 dB(A) Bystander; 16 dB(A) Operator position (SSD M.2)
Standard noise operation mode: ODD load	4.4 B / 31 dB(A) Bystander; 36 dB(A) Operator position	4.4 B / 31 dB(A) Bystander; 36 dB(A) Operator position (HDD 3.5"); 4.4 B / 30 dB(A) Bystander; 35 dB(A) Operator position (SSD M.2)
Standard noise operation mode: Office applications 2.0	3.3 B / 20 dB(A) Bystander; 20 dB(A) Operator position	3.3 B / 19 dB(A) Bystander; 19 dB(A) Operator position (HDD 3.5"); 3.0 B / 17 dB(A) Bystander; 18 dB(A) Operator position (SSD M.2)

Dimensions / Weight / Environmental

Dimensions (W x D x H)	332 x 338 x 89 mm
	12.68 x 13.31 x 3.51 inch
Operating position	horizontal / vertical (optional, feet needed)

Dimensions / Weight / Environmental

Weight	8 kg
Weight (lbs)	17.64 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 D958/E85+	ESPRIMO D958/E94+
Model	DTF	
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)	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) EPEAT® Bronze (dedicated regions) ENERGY STAR® 8.0 compliant
China	CCC (planned) CCC (depending on configuration) CEL (Chinese energy label) TPM 2.0 for China (optional)	
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.)
Base unit	ESPRIMO D958/E85+ ESPRIMO D958/E94+

Security

Physical Security	Kensington Lock support Eye for padlock Integrated cabinet 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 external SmartCard reader (optional) Access protection via internal SmartCard reader (optional) AuthConductor Client Basic (secure authentication solution)

Security

Workplace Embedded Tools	Auto BIOS Update via Fujitsu Server
	Auto BIOS Update via customer server
	Easy PC Protection

Manageability

Miscellaneous

	Keyboard on (Special Fujitsu keyboard required)	Keyboard on (Special Fujitsu keyboard required)
	Keyboard on with one key (KBPX Eco, KB521)	Keyboard on with one key (KBPX Eco, KB521)
	Keyboard on with 2 keys (CTRL+CTRL) with PS2 or special USB keyboards	Keyboard on with 2 keys (CTRL+CTRL) with PS2 or special USB keyboards
	Keyboard on with any key (USB)	Keyboard on with any key (USB)
	Thermal management	Thermal management
	Low Power Active Mode	Low Power Active Mode
		Extended lifetime

Packaging information

Packaging dimension (mm)	467 x 265 x 540 mm
Packaging dimension (inch)	18.39 x 10.43 x 21.26 inch
Max. quantity / pallet	24
Material - Weight (g) Carton	1180 g
Material - Weight (lbs) Carton	2.6 lbs
Material - Weight (g) EPS / PS	180 g
Material - Weight (lbs) EPS / PS	0.4 lbs
Material - Weight (g) PE	60 g
Material - Weight (lbs) PE	0.13 lbs
Packaging notes	printed user documentation is bleached in chlorine free process

Warranty

Warranty period	3 years (depending on country)
Warranty type	Bring-In / Onsite Service (for countries within region EMEIA, for all other countries depending on local regulations)

Product Support - the perfect extension

Recommended Service	9x5, Onsite Response Time: Next Business Day
Spare Parts availability	at least 5 years after shipment, for details see https://support.ts.fujitsu.com/

Recommended Accessories

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

In addition to Fujitsu ESPRIMO D958, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Dynamic Infrastructures
With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

Computing Products
www.fujitsu.com/global/products/computing/

Software
www.fujitsu.com/software/

More information

Learn more about Fujitsu ESPRIMO D958, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
http://ts.fujitsu.com

Disclaimer

Contact

Address: x-xx-x, street, city, state, ZIP code, country
Phone: xx-xxxx-xxxx
Fax : xx-xxxx-xxxx
Email: xxx.xxxxx@xx.fujitsu.com
Website: www.fujitsu.com/[country]
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