

Fujitsu recommends Windows 10 Pro for business

Data Sheet

Fujitsu ESPRIMO D538

New small form factor PC in a more compact and space-saving design

The new FUJITSU ESPRIMO D538 Desktop PC provides superior expandability features in a smaller chassis design. Up to 9th Gen Intel® Core™ processors and improved connectivity options in front provide the much-needed performance to meet your daily office needs. Optional security functions, such as the integrated cabinet lock, EraseDisk and SmartCard reader help secure your valuable business data and hardware components. You can easily and freely configure each PC to meet your specific hardware needs as well as customize each PC to satisfy even more complex project requirements. With the ENERGY STAR® certification and up to 94%-efficient power supply option, ESPRIMO D538 helps reduce your carbon footprint and energy bill.



New SFF system with 8I housing and superior expandability
Powerful and cost-effective small form factor PC that enables more space saving

- Improved connectivity options that include USB 3.1 gen1, optional SD card and SmartCard reader and VGA connector

Best energy efficiency coupled with performance
Low power consumption combined with highest levels of performance

- Up to 9th generation Intel® Core™ processor family, a switched monitor outlet and a power supply with 94% efficiency (optional)

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

Advanced security
Designed to protect your data and system's hardware components

- Optional EraseDisk, integrated cabinet lock and smartcard reader for greater physical and data-level security

Serviceability
Accessing and servicing the system is very easy and convenient due to tool-less chassis design

- Tool-less access to housing memory, connectors, ODD and HDD drives and all other components are easily accessible; optional external dust filter for the front panel for harsh, dusty environments



Components

	ESPRIMO D538/E85+	ESPRIMO D538/E94+
Processor	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™ i5-9400 processor (6 Cores / 6 Threads, 2.90 GHz, up to 4.1 GHz, 9 MB, Intel® UHD Graphics 630) * Intel® Core™ i5-8400 processor (6 Cores / 6 Threads, 2.80 GHz, up to 4.0 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® Pentium® Gold G5420 (2 Cores / 4 Threads, 3.80 GHz, 4 MB, Intel® UHD Graphics 610) Intel® Pentium® Gold G5400 (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)	Intel® Core™ i7-9700 processor (8 Cores / 8 Threads, 3.00 GHz, up to 4.7 GHz, 12 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™ i5-9400 processor (6 Cores / 6 Threads, 2.90 GHz, up to 4.1 GHz, 9 MB, Intel® UHD Graphics 630) * Intel® Core™ i5-8400 processor (6 Cores / 6 Threads, 2.80 GHz, up to 4.0 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® Pentium® Gold G5420 (2 Cores / 4 Threads, 3.80 GHz, 4 MB, Intel® UHD Graphics 610) Intel® Pentium® Gold G5400 (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 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	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 Windows 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 .	Certified for SUSE Enterprise Desktop Windows 10 Support: After the end of the product life FUJITSU will continue to test and support all upcoming Windows 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 D538/E85+	ESPRIMO D538/E94+
Memory modules	4 GB (1 module(s) 4 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM 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	4 GB (1 module(s) 4 GB) DDR4, unbuffered, non-ECC, 2,666 MT/s, UDIMM 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 D538/E85+	ESPRIMO D538/E94+
Graphics	Entry 3D: NVIDIA® Quadro® P400 , 2 GB, PCIe x16, 3 x miniDP Others: VGA Extension Card Others: MiniDP to DP Adapter Cable Others: DP to DVI-D (single link) Adapter Cable	Entry 3D: NVIDIA® Quadro® P400 , 2 GB, PCIe x16, 3 x miniDP Others: VGA Extension Card Others: MiniDP to DP Adapter Cable Others: DP to DVI-D (single link) Adapter Cable

	ESPRIMO D538/E85+	ESPRIMO D538/E94+
Hard disk drive	HDD SATA II, 5,400 rpm, 500 GB, 2.5-inch 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 HDD SATA III, 7,200 rpm, 500 GB, 3.5-inch SSD PCIe, 1024 GB M.2 NVMe module SSD PCIe, 1024 GB M.2 NVMe module, SED SSD PCIe, 256 GB M.2 NVMe module SSD PCIe, 256 GB M.2 NVMe module, SED 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	HDD SATA II, 5,400 rpm, 500 GB, 2.5-inch 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 HDD SATA III, 7,200 rpm, 500 GB, 3.5-inch SSD PCIe, 1024 GB M.2 NVMe module SSD PCIe, 1024 GB M.2 NVMe module, SED SSD PCIe, 256 GB M.2 NVMe module SSD PCIe, 256 GB M.2 NVMe module, SED 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)	
Optical drive	ESPRIMO D538/E85+ SD Card reader DVD Super Multi ultra slim (tray), SATA BD Triple Writer SATA ultra slim (tray), SATA	ESPRIMO D538/E94+ SD Card reader DVD Super Multi ultra slim (tray), SATA BD Triple Writer SATA ultra slim (tray), SATA
Interfaces add on cards / components	ESPRIMO D538/E85+ WLAN 802.11ac (2x2) PCIe x1, SRD 5.8GHz (dedicated regions only) WLAN 802.11ac (2x2) PCIe x1 and BT 5, SRD 5.8GHz (dedicated regions only) Gigabit Ethernet PCIe x1 eSATA Interface Dual serial card PCIe x1	ESPRIMO D538/E94+ WLAN 802.11ac (2x2) PCIe x1, SRD 5.8GHz (dedicated regions only) WLAN 802.11ac (2x2) PCIe x1 and BT 5, SRD 5.8GHz (dedicated regions only) Gigabit Ethernet PCIe x1 eSATA Interface Dual serial card PCIe x1
	ESPRIMO D538/E85+	ESPRIMO D538/E94+

Base unit

Base unit	ESPRIMO D538/E85+	ESPRIMO D538/E94+
Mainboard		
Mainboard type	D3600	
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 or 2133 depending on used processor	
LAN	10/100/1,000 MBit/s Realtek RTL8111G	
BIOS version	AMI Aptio V UEFI Specification 2.6	

Mainboard

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	3
thereof SATA III	3
thereof eSATA	1
Controller functions	Serial ATA III (6 Gbit) NCQ AHCI

Interfaces

Audio: line-in	1
Audio: line-out	1
Front audio: microphone	1
Front audio: headphone	1
USB 2.0 total	6
USB 3.1 Gen1 (USB 3.0) total	4
USB 3.1 Gen2 total	1 optional via add on card
USB front	2x USB 2.0; 2x USB 3.0
USB rear	2x USB 2.0; 2x USB 3.0; optional: additional 1x USB 3.1 Type C (Gen2) via add on card
USB internal	2x USB 2.0
VGA	optional: via adapter card
DisplayPort	1
DVI	1 (DVI-D)
Mouse / Keyboard (PS/2)	2
Ethernet (RJ-45)	1
eSATA	1 (optional)
Interface Module notes	Anytime USB charge functionality

Input device / components

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

2.5-inch bays	1
3.5-inch internal bays	1
5.25-inch external bays	1
Drive bay notes	5,25" bay: for slim optical disc drive only; 3.5" bay for 1x 3.5" drive (screwless) or optional via adapter for 1x or 2x 2.5" drives (screwless); 2.5" bay for 1x 2.5" drive (screws)
M.2-2280	1 x on mainboard for SSD NVMe (PCIe 2.0 x2; up to 10Gbit/s)

Slots

PCI-Express 3.0 x16	1 x (174 mm / 6.85 inch) Low profile
PCI-Express 2.0 x4 (mech. x16)	1 x (174 mm / 6.85 inch) Low profile

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

Noise emission

Related Processors for noise	Intel® Core™ i7 8700	Intel® Core™ i7 8700
Standard noise emission	2x4 GB, HDD, ODD, Windows According to ISO 7779:2010, ECMA-74	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))	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 / 22 dB(A) Bystander; 24 dB(A) Operator position	3.5 B / 21 dB(A) Bystander; 23 dB(A) Operator position
Standard noise operation mode: HDD load	3.4 B / 21 dB(A) Bystander; 23 dB(A) Operator position	3.5 B / 21 dB(A) Bystander; 24 dB(A) Operator position
Standard noise operation mode: Idle mode	3.4 B / 21 dB(A) Bystander; 23 dB(A) Operator position	3.4 B / 20 dB(A) Bystander; 21 dB(A) Operator position
Standard noise operation mode: ODD load	4.5 B / 32 dB(A) Bystander; 36 dB(A) Operator position	4.5 B / 31 dB(A) Bystander; 36 dB(A) Operator position
Standard noise operation mode: Office applications 2.0	3.4 B / 21 dB(A) Bystander; 23 dB(A) Operator position	3.4 B / 21 dB(A) Bystander; 22 dB(A) Operator position

Dimensions / Weight / Environmental

Dimensions (W x D x H)	313 x 286 x 89 mm 12.32 x 11.26 x 3.51 inch
Operating position	horizontal / vertical (optional, feet needed)
Weight	5 kg
Weight (lbs)	11.03 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 D538/E85+	ESPRIMO D538/E94+
Model	DTL	
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 D538/E85+	ESPRIMO D538/E94+
Security		
Physical Security	Kensington Lock support Eye for padlock Integrated cabinet lock (optional)	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	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)	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)
Workplace Embedded Tools	Auto BIOS Update via Fujitsu Server Auto BIOS Update via customer server Easy PC Protection	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 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	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
Packaging information		
Packaging dimension (mm)	467 x 265 x 540 mm	467 x 265 x 540 mm
Packaging dimension (inch)	18.39 x 10.43 x 21.26 inch	18.39 x 10.43 x 21.26 inch
Max. quantity / pallet	24	24
Material - Weight (g) Carton	1180 g	1180 g
Material - Weight (lbs) Carton	2.6 lbs	2.6 lbs
Material - Weight (g) EPS / PS	230 g	230 g
Material - Weight (lbs) EPS / PS	0.51 lbs	0.51 lbs
Material - Weight (g) PE	60 g	60 g
Material - Weight (lbs) PE	0.13 lbs	0.13 lbs
Packaging notes	printed user documentation is bleached in chlorine free process	printed user documentation is bleached in chlorine 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)	
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	

Recommended Accessories

Display B24W-7 LED



The FUJITSU B24W-7 LED Display with excellent ergonomics makes intensive office work extremely comfortable. This highly reliable display offers superb usability and power-saving features to help reduce your labor as well as energy costs. With wide viewing angle technology, flexible connectivity, and easy manageability, the FUJITSU B24W-7 LED Display can help you improve productivity.

Order Code:
S26361-K1497-V141

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 D538, 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 D538, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
<http://ts.fujitsu.com>

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