

Data Sheet

Fujitsu ESPRIMO D738

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

The new FUJITSU ESPRIMO D738 Desktop PC provides advanced expandability features in a smaller housing. With up to 9th Gen Intel® Core™ processors, a switched monitor outlet and a power supply with 94% efficiency (optional) ensure best energy efficiency coupled with high performance. To meet the system upgrade requirements, it offers high flexibility with space for up to three mass storage drives. Optional Intel® Standard Manageability helps keep administration and rollout costs low. Optional security functions, such as the integrated cabinet lock, EraseDisk and SmartCard reader help secure your valuable business data and hardware components.



Ultimate usability

Benefit from a wide range of features which ease your workaday life

- ON/OFF switch, I/Os in front for easy access control and use of the system (audio, USB Type C, optional SD card reader, SmartCard reader and ODD)

Quiet system

Pleasant working environment due to an extremely quiet system

- Innovative hardware design with 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

Advanced system management

Simple system administration for complex IT infrastructures

- Intel® Standard manageability technology (ISM) optional and DeskView manageability suite

Low carbon footprint

Another example of Fujitsu's commitment to environmental protection and sustainability

- Low power active function and energy-efficient power supply; less cables due to onboard LED/on/off switch, USB and audio connectors; less raw material used in printed circuit board (PCB) - reduction of up to 20% in PCB when compared to a 10 liter system



Components

	ESPRIMO D738/E85+	ESPRIMO D738/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) *
	*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 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 D738/E85+	ESPRIMO D738/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 D738/E85+	ESPRIMO D738/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 D738/E85+	ESPRIMO D738/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 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 D738/E85+	ESPRIMO D738/E94+
Optical drive	DVD Super Multi ultra slim (tray), SATA BD Triple Writer SATA ultra slim (tray), SATA	
	ESPRIMO D738/E85+	ESPRIMO D738/E94+
Interfaces add on cards / components	Dual serial card PCIe x1	
	ESPRIMO D738/E85+	ESPRIMO D738/E94+

Base unit

Base unit	ESPRIMO D738/E85+	ESPRIMO D738/E94+
Mainboard		
Mainboard type	D3601	
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® I219V	
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	
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	6	6
USB 3.1 Gen1 (USB 3.0) total	4	4
USB 3.1 Gen2 total	3 and 1 optional via add on card	3 and 1 optional via add on card
USB front	2x USB 2.0; 2x USB 3.1 (gen2), 1x USB 3.1 (gen2) Type C	2x USB 2.0; 2x USB 3.1 (gen2), 1x USB 3.1 (gen2) Type C
USB rear	2x USB 2.0; 4x USB 3.0; optional: additional 1x USB 3.1 Type C (Gen2) via add on card	2x USB 2.0; 4x USB 3.0; optional: additional 1x USB 3.1 Type C (Gen2) via add on card
USB internal	2x USB 2.0	2x 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
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
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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 3.0 x4; up to 32Gbit/s; supports Intel® Optane™ technology)

Slots

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

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 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 and higher resolutions up to 4096 x 2160 pixel (at 30Hz refresh rate) 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 D738/E85+	ESPRIMO D738/E94+
Electrical values		
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 D738/E85+	ESPRIMO D738/E94+
Power consumption		
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=19fd7b85-4956-46ea-9f34-322ca35e57b1	http://docs.ts.fujitsu.com/dl.aspx?id=7ddf534c-29eb-4731-bea4-bcb9d9fe90c7
Noise emission		
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 / 22 dB(A) Bystander; 23 dB(A) Operator position	
Standard noise operation mode: HDD load	3.6 B / 22 dB(A) Bystander; 24 dB(A) Operator position	3.6 B / 22 dB(A) Bystander; 25 dB(A) Operator position
Standard noise operation mode: Idle mode	3.5 B / 21 dB(A) Bystander; 23 dB(A) Operator position	3.4 B / 21 dB(A) Bystander; 23 dB(A) Operator position
Standard noise operation mode: ODD load	4.5 B / 31 dB(A) Bystander; 35 dB(A) Operator position	4.5 B / 31 dB(A) Bystander; 36 dB(A) Operator position
Standard noise operation mode: Office applications 2.0	3.5 B / 21 dB(A) Bystander; 23 dB(A) Operator position	3.4 B / 21 dB(A) Bystander; 23 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 D738/E85+	ESPRIMO D738/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

Packaging information

Material - Weight (g) EPS / PS	230 g
Material - Weight (lbs) EPS / PS	0.51 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	1 year (for countries in EMEA)
Warranty type	Bring-In / Onsite Service (for countries within region EMEA, 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	5 years

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 KB955



The KB955 is a very flat keyboard with extra low keys and spill-resistant protection. The elegant design and top-quality construction makes the KB955 the ideal input device for any PC or Notebook user. If you accidentally spill some water or coffee onto the keyboard, this special construction helps the liquid to flow away.

S26381-K955-L4** (**:
Country specific variation)

More information

In addition to Fujitsu ESPRIMO D738, 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 D738, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
<http://ts.fujitsu.com>

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