

Fujitsu recommends Windows 10 Pro.

# Data Sheet

## FUJITSU Desktop 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. The latest 8th Gen Intel® Core™ processors (with up to 6 cores and 12 threads), 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+
<b>Processor</b>	Intel® Celeron® processor G4900 (2 Cores / 2 Threads, 3.10 GHz, 2 MB, Intel® UHD Graphics 610) Intel® Pentium® Gold G5400 processor (2 Cores / 4 Threads, 3.70 GHz, 4 MB, Intel® UHD Graphics 610) Intel® Core™ i3-8100 processor (4 Cores / 4 Threads, 3.60 GHz, 6 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™ i5-8500 processor (6 Cores / 6 Threads, 3.00 GHz, up to 4.1 GHz, 9 MB, Intel® UHD Graphics 630) * Intel® Core™ i5-8600 processor (6 Cores / 6 Threads, 3.10 GHz, up to 4.3 GHz, 9 MB, Intel® UHD Graphics 630) * Intel® Core™ i7-8700 processor (6 Cores / 12 Threads, 3.20 GHz, up to 4.6 GHz, 12 MB, Intel® UHD Graphics 630) *	
	*with Intel® Turbo Boost Technology (clock speed and performance will vary depending on workload and other variables)	
<b>Operating systems</b>		
<b>Operating system pre-installed</b>	Windows 10 Pro. Fujitsu recommends Windows 10 Pro. Windows 10 Home	Windows 10 Pro. Fujitsu recommends Windows 10 Pro. Windows 10 Home
<b>Operating system notes</b>	Certified for SUSE Enterprise Desktop (pending) 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 <a href="http://support.ts.fujitsu.com">http://support.ts.fujitsu.com</a> .	Certified for SUSE Enterprise Desktop (pending) 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 <a href="http://support.ts.fujitsu.com">http://support.ts.fujitsu.com</a> .
	ESPRIMO D738/E85+	ESPRIMO D738/E94+
<b>Memory modules</b>	4 GB (1 module(s) 4 GB) DDR4, unbuffered, non-ECC, 2,666 MHz, UDIMM 8 GB (1 module(s) 8 GB) DDR4, unbuffered, non-ECC, 2,666 MHz, UDIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, non-ECC, 2,666 MHz, UDIMM	4 GB (1 module(s) 4 GB) DDR4, unbuffered, non-ECC, 2,666 MHz, UDIMM 8 GB (1 module(s) 8 GB) DDR4, unbuffered, non-ECC, 2,666 MHz, UDIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, non-ECC, 2,666 MHz, UDIMM
	ESPRIMO D738/E85+	ESPRIMO D738/E94+
<b>Graphics</b>	Entry 3D: NVIDIA® Quadro® P400 , 2 GB, PCIe x16, 3x miniDP Entry 3D: AMD® Radeon R7 340, 2 GB, 1x Dual Link DVI-I, 1x DisplayPort Others: VGA Extension Card Others: DP to DVI-D (single link) Adapter Cable	Entry 3D: NVIDIA® Quadro® P400 , 2 GB, PCIe x16, 3x miniDP Entry 3D: AMD® Radeon R7 340, 2 GB, 1x Dual Link DVI-I, 1x DisplayPort Others: VGA Extension Card Others: DP to DVI-D (single link) Adapter Cable
	ESPRIMO D738/E85+	ESPRIMO D738/E94+
<b>Hard disk drive</b>	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 Intel Optane Memory (16 GB) 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	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 Intel Optane Memory (16 GB) 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

<b>Hard disk notes</b>	SSD (Solid State Disk) SED (Self-Encrypting Drive)	
	ESPRIMO D738/E85+	ESPRIMO D738/E94+
<b>Optical drive</b>	Weight saver DVD Super Multi ultra slim (tray), SATA BD Triple Writer SATA ultra slim (tray), SATA	Weight saver DVD Super Multi ultra slim (tray), SATA BD Triple Writer SATA ultra slim (tray), SATA
	ESPRIMO D738/E85+	ESPRIMO D738/E94+
<b>Interfaces add on cards / components</b>	WLAN 802.11ac (2x2) PCIe x1 and BT 5 (dedicated regions only) WLAN 802.11ac (2x2) PCIe x1 (dedicated regions only) Gigabit Ethernet PCIe x1 eSATA Interface Dual serial card PCIe x1	WLAN 802.11ac (2x2) PCIe x1 and BT 5 (dedicated regions only) WLAN 802.11ac (2x2) PCIe x1 (dedicated regions only) Gigabit Ethernet PCIe x1 eSATA Interface Dual serial card PCIe x1
<b>Base unit</b>	ESPRIMO D738/E85+	ESPRIMO D738/E94+
<b>Mainboard</b>		
<b>Mainboard type</b>	D3601	
<b>Formfactor</b>	proprietary	
<b>Chipset</b>	Intel® Q370	
<b>Processor socket</b>	LGA 1151	
<b>Processor quantity maximum</b>	1	
<b>Supported capacity RAM (max.)</b>	64 GB	
<b>Memory slots</b>	4 DIMM (DDR4)	
<b>Memory frequency</b>	2,666 MHz	
<b>Memory notes</b>	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	
<b>LAN</b>	10/100/1,000 MBit/s Intel® I219V	
<b>BIOS version</b>	AMI Aptio V UEFI Specification 2.6	
<b>BIOS features</b>	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	
<b>Audio type</b>	On board	
<b>Audio codec</b>	Realtek ALC671	
<b>Audio features</b>	Internal speaker supports audio playback (optional), High Definition audio, 5.1 surround sound	
<b>I/O controller on board</b>		
<b>Serial ATA total</b>	5	
<b>thereof SATA III</b>	5	
<b>thereof eSATA</b>	2	
<b>Controller functions</b>	Serial ATA III (6 Gbit) NCQ AHCI	
<b>Interfaces</b>		
<b>Audio: line-in</b>	1	
<b>Audio: line-out</b>	1	
<b>Front audio: microphone</b>	1	
<b>Front audio: headphone</b>	1	
<b>USB 2.0 total</b>	6	
<b>USB 3.1 Gen1 (USB 3.0) total</b>	4	
<b>USB 3.1 Gen2 total</b>	3 and 1 optional via add on card	

**Interfaces**

USB front	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
USB internal	2x USB 2.0
VGA	optional: via adapter card
DisplayPort	2
DVI	1 (DVI-D)
Serial (RS-232)	optional: serial port (9pin, 16 byte FIFO, 16550 compatible)
Mouse / Keyboard (PS/2)	2
Ethernet (RJ-45)	1
eSATA	1 (optional)
Interface Module notes	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



**Noise emission**

<b>Standard noise operation mode: ODD load</b>	4.5 B / 31 dB(A) Bystander; 35 dB(A) Operator position	4.5 B / 31 dB(A) Bystander; 36 dB(A) Operator position
<b>Standard noise operation mode: Office applications 2.0</b>	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**

<b>Dimensions (W x D x H)</b>	313 x 286 x 89 mm 12.32 x 11.26 x 3.51 inch
<b>Operating position</b>	horizontal / vertical (optional, feet needed)
<b>Weight</b>	5 kg
<b>Weight (lbs)</b>	11.03 lbs
<b>Weight notes</b>	Actual weight may vary depending on configuration
<b>Operating ambient temperature</b>	10 - 35 °C (50 - 95 °F)
<b>Operating relative humidity</b>	5 - 85 % (relative humidity)

**Compliance**

<b>Product</b>	ESPRIMO D738/E85+	ESPRIMO D738/E94+
<b>Model</b>	DTL	
<b>Germany</b>	TÜV GS	
<b>Europe</b>	CE	
<b>USA/Canada</b>	FCC Class B cTUVus	
<b>Global</b>	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) ENERGY STAR® 7.0 EPEAT® in progress (dedicated regions)	
<b>China</b>	CCC (planned) CCC (depending on configuration) CEL (Chinese energy label) TPM 2.0 for China (optional)	
<b>Compliance link</b>	<a href="https://sp.ts.fujitsu.com/sites/certificates">https://sp.ts.fujitsu.com/sites/certificates</a>	

**Additional Software**

<b>Additional software (preinstalled)</b>	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.)	
<b>Additional software (optional)</b>	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.)	
<b>Base unit</b>	ESPRIMO D738/E85+	ESPRIMO D738/E94+

**Security**

<b>Physical Security</b>	Kensington Lock support Eye for padlock Integrated cabinet lock (optional)	Kensington Lock support Eye for padlock Integrated cabinet lock (optional)
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<b>Security</b>		
<b>System and BIOS Security</b>	Embedded security (TPM 2.0) EraseDisk (optional) Credential Guard Ready and Device Guard Capable (Windows 10, v. 1709) 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. 1709) 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
<b>User Security</b>	User and supervisor BIOS password Hard disk password Access protection via external SmartCard reader (optional) Access protection via internal SmartCard reader (optional) Workplace Protect (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) Workplace Protect (secure authentication solution)
<b>Workplace Embedded Tools</b>	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
<b>Manageability</b>		
<b>Manageability technology</b>	DeskUpdate Driver management PXE 2.1 Boot code Wake up from S5 (off mode) Intrusion switch (optional) WoL (Wake on LAN) Intel® Standard Manageability (ISM) as option	
<b>Manageability software</b>	DeskView Client DeskView Instant BIOS Management	
<b>DeskView components</b>	BIOS Management incl. Security Inventory Management Driver Management Alarm Management	
<b>Supported standards</b>	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)	
<b>Manageability link</b>	<a href="http://www.fujitsu.com/fts/manageability">http://www.fujitsu.com/fts/manageability</a>	
<b>Miscellaneous</b>		
	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	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
<b>Packaging information</b>		
<b>Packaging dimension (mm)</b>	467 x 265 x 540 mm	467 x 265 x 540 mm
<b>Packaging dimension (inch)</b>	18.39 x 10.43 x 21.26 inch	18.39 x 10.43 x 21.26 inch
<b>Max. quantity / pallet</b>	24	24
<b>Material - Weight (g) Carton</b>	1180 g	1180 g
<b>Material - Weight (lbs) Carton</b>	2.6 lbs	2.6 lbs
<b>Material - Weight (g) EPS / PS</b>	230 g	230 g
<b>Material - Weight (lbs) EPS / PS</b>	0.51 lbs	0.51 lbs
<b>Material - Weight (g) PE</b>	60 g	60 g
<b>Material - Weight (lbs) PE</b>	0.13 lbs	0.13 lbs

**Packaging information**

Packaging notes	printed user documentation is bleached in chlorine free process	printed user documentation is bleached in chlorine free process
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**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)
Warranty Terms & Conditions	<a href="http://support.ts.fujitsu.com/warranty">http://support.ts.fujitsu.com/warranty</a>

**Product Related Services - the perfect extension**

Recommended Service	9x5, Onsite Response Time: Next Business Day
Spare Parts availability	5 years
Service Weblink	<a href="http://www.fujitsu.com/fts/services/support">http://www.fujitsu.com/fts/services/support</a>

## 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

**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

**SOUNDSYSTEM DS E2000 Air**

The new more powerful SOUNDSYSTEM DS E2000 Air gives you impressive, well-balanced sound throughout the frequency band. It is an unbeatable USB speaker set with a surprisingly small form factor. The robust satellite speakers are decorated with a deluxe piano finish and the base is adorned with warm ambient lighting.

Order Code: S26391-F7128-L600

**Keyboard KB900**

The KB900 is a very flat keyboard with extra low keys and spill-resistant protection. The elegant design and top-quality construction makes the KB900 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-K560-L4\*\* (\*\*: Country specific variation)

## More information

### Fujitsu products, solutions & services

In addition to FUJITSU Desktop ESPRIMO D738, 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/](http://www.fujitsu.com/global/products/computing/)

#### Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

### More information

Learn more about FUJITSU Desktop ESPRIMO D738, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.  
[www.fujitsu.com/fts/ESPRIMO](http://www.fujitsu.com/fts/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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