

Data Sheet

Fujitsu ESPRIMO G558

Mini, Mighty | Takes up your challenges, not your space

The FUJITSU ESPRIMO G558 offers advanced desktop PC functionality in an ultra-compact, space-saving design. With up to 9th Gen Intel® Core™ processors, PCI Express® SSD, USB Type-C interface and dual-display support, the ESPRIMO G558 provides the performance to meet your daily office needs. Its small size and wide range of interfaces make this PC a great choice for space-constrained workplaces.

An ultra-compact design

Small footprint; energy and space-saving device for clean, clutter-free desk

- Desktop performance in an ultra-small design (~ 0.86 liters)

Superb usability

Flexible mounting options and wide range of usage scenarios

- VESA mount compatible - mount at the back of a display, wall mount or mount under the desk, horizontal/vertical usage, easy-to-service design for convenient hardware customization/upgrades

Small yet grand

High performance in a small mini PC design

- Up to 9th Gen Intel® Core™ processors, dual display support, USB Type C (optional), DDR4 2666 MHz memory, M.2 support, SSD PCI Express® NVMe, advanced security features (embedded TPM, Kensington Lock support, optional EraseDisk)

Perfect fit for modern offices and workplaces of tomorrow

Modular design that can transform your workplace

- Create your own All-in-One (AiO) PC setup; support for up to two displays

Outstanding quality and reliability

Quality you can trust; based on German production standards

- Designed, developed and tested in our own factory in Augsburg to meet Fujitsu standards and exceed industry requirements



Components

| | |
|------------------------------------|---|
| Operating systems | |
| Operating system pre-installed | Windows 10 Pro. Fujitsu recommends Windows 10 Pro for business. Windows 10 Home |
| Operating system notes | 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 . |
| Processor | 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) |
| Mass Storage M.2 technology | SSD PCIe, 128 GB M.2 NVMe module SSD PCIe, 1024 GB M.2 NVMe module SSD PCIe, 512 GB M.2 NVMe module SSD PCIe, 256 GB M.2 NVMe module |
| Hard disk drives (internal) | 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 |
| Hard disk notes | SSD (Solid State Disk) SED (Self-Encrypting Drive) 2.5-inch bay for devices with 7mm height |
| Graphics | DP to DVI-D (single link) Adapter Cable |

LAN Notes

Base unit

| | |
|-------------------------------|--|
| Base unit | ESPRIMO G558 |
| Mainboard | |
| Mainboard type | D3654 |
| 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 RTL8111G |
| Integrated WLAN | 1 (optional with Bluetooth together) |
| BIOS version | AMI Aptio V UEFI Specification 2.6 |

Mainboard

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|----------------|---|
| 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

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|----------------------|--|
| Serial ATA total | 1 |
| thereof SATA III | 1 |
| Controller functions | Serial ATA III (6 Gbit) NCQ AHCI |

Interfaces

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| Front audio: headphone | 1 |
| USB 2.0 total | 3 |
| USB 3.1 Gen1 (USB 3.0) total | 3 (4 optional) |
| USB front | 1x USB 2.0; 1x USB 3.0 |
| USB rear | 2x USB 2.0, 2x USB 3.0, optional 1x USB 3.0 Type-C |
| VGA | optional: via external active adapter cable |
| DisplayPort | 1 |
| HDMI | 1 |
| Ethernet (RJ-45) | 1 |
| Interface Module notes | Anytime USB charge functionality, Optional Type-C port supports DisplayPort 1.2 and Power Delivery (PD) e.g. from Display, HDMI Ver. 1.4 |
| Kensington Lock support | 1 |

Input device / components

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

Drive bays

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| Drive bays total | 1 |
| 2.5-inch internal bays | 1 |
| M.2-2280 | 1 x on mainboard for SSD NVMe (PCIe 2.0 x4; up to 20Gbit/s) |
| Mini PCI slots | |
| M.2-2230 | on mainboard for WLAN module |

Graphics on board

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|------------------------------|--|
| Graphics brand name | Intel® UHD Graphics 610, Intel® UHD Graphics 630 |
| Shared video memory | Up to half size of total system memory |
| 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

| | |
|-----------------------|--|
| TFT resolution (HDMI) | 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 |
| 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

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|------------------------------------|---|
| Power efficiency note | power supply efficiency at 115/230V: 88% average efficiency |
| Rated voltage range | 100 V - 240 V |
| Rated frequency range | 50 Hz - 60 Hz |
| Operating voltage range | 90 V - 264 V |
| Operating line frequency range | 47 Hz - 63 Hz |
| Max. output of single power supply | 65 W external AC adapter (optional) |

Power consumption

| | |
|----------------------------|---|
| Power consumption note | See white paper Energy Consumption |
| Link to Energy White Paper | http://docs.ts.fujitsu.com/dl.aspx?id=04df0757-cf02-4048-846f-907c4ff4dad7 |

Heat dissipation

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|------------------------|------------------------------------|
| Heat dissipation notes | See white paper Energy Consumption |
|------------------------|------------------------------------|

Noise emission

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| Related Processors for noise | Intel® Core™ i7 8700T |
| Standard noise emission | 2x4 GB, SSD, Windows According to ISO 7779:2010, ECMA-74 |
| Standard noise notes / description | A-weighted sound power level L _{wad} (in B) / Workplace related A-weighted sound pressure level L _{pAm} (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 | 3.4 B / 21 dB(A) Bystander; 23 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: Office applications 2.0 | |

Dimensions / Weight / Environmental

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|------------------------|--|
| Dimensions (W x D x H) | 146.9 x 164.5 x 36 mm 5.78 x 6.48 x 1.42 inch |
| Operating position | horizontal / vertical (optional, feet needed) |
| VESA mount | optional mounting kit |
| Weight | 0.8 kg |
| Weight (lbs) | 1.76 lbs |

Dimensions / Weight / Environmental

| | |
|-------------------------------|---|
| 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

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|-----------------|---|
| Product | ESPRIMO G558 |
| Model | TCS4 |
| 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) EPEAT® Bronze (dedicated regions) ENERGY STAR® 8.0 (only with FUJITSU AC adapters) |
| Compliance link | https://sp.ts.fujitsu.com/sites/certificates |

Additional Software

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|------------------------------------|--|
| 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) 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.) |

Security

| | |
|--------------------------|--|
| Physical Security | Kensington Lock support |
| 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) AuthConductor Client Basic (secure authentication solution) |
| 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 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 |
|-------------------------|--|




Packaging information

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|----------------------------------|--|
| 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 included 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

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|--|---|
| 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 | at least 5 years after shipment, for details see https://support.ts.fujitsu.com/ 5 years |

Recommended Accessories

| | | | |
|---|---|--|----------------------------------|
| USB Type-C to DisplayPort Adapter |  | The Fujitsu USB Type-C to DP Adapter offers a fast and easy way to connect a DisplayPort-display to your mobile system, or desktop PC, using the USB Type-C port via plug-and-play functionality | Order Code: S26391-F6058-L201 |
| USB Type-C to VGA Adapter |  | The Fujitsu USB Type-C to VGA Adapter offers a fast and easy way to connect an analog VGA-display or projector to your mobile system, or desktop PC, using the USB Type-C port via plug-and-play functionality | Order Code: S26391-F6058-L203 |
| Mounting Kit for Height Adjustable Fujitsu Displays - up to 10th Gen. Display |  | 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. With this solution you can save space on the desk, reduce clutter on desk and realize a clean desk working environment. | Order Code: S26361-F2542-L452 |

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 G558, 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 G558, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
<http://ts.fujitsu.com>

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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/\[country\]](http://www.fujitsu.com/[country])
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