

Fujitsu recommends Windows 11 Pro.

Data Sheet

Fujitsu Desktop ESPRIMO D9010

New space saving Small form factor PC with high efficiency and premier manageability

The FUJITSU ESPRIMO D9010 Desktop is a high performance, secure PC with superior manageability, expandability, and best-in-class connectivity. The 80Plus GOLD and 80Plus PLATINUM power supply helps to reduce environmental impact. The USB Type C and flexible graphics options offer great connectivity. Faster operations, a smaller foot print in vertical position enhances space saving to create the perfect working desk.



Latest Intel® Chipset technology with higher memory speed

High performance ensures faster operations and lower system response time

- Superior Intel® Q470 chipset with higher memory frequency of 2,933 MT/s
- The stable Intel® vPro™ technology platform (depending on processor)

New housing and ultimate expandability

Easily customizable and highly expandable business desktop PC

- 2x low profile (LP) or 1x LP/ 1x Full height (Riser) via BTO
- Space saving in width and depth with new 8.3 litres volume

Low Power Consumption; Easy serviceability and usability

Less power consumption and costs but with same performance

- 80Plus GOLD and 80Plus PLATINUM power supply efficiency with monitor outlet
- Tool-less access to components, easy change and screw-less add-on cards

High security with integrated options

Designed to protect data and hardware components against manipulation and theft

- Cable cover in addition to existing Smartcard reader, Erasedisk software
- Integrated Cabinet lock with Master key option
- Hole for pad lock and Kensington as standard for security

Best-in-Class connectivity

Be flexible and stay productive in a hyper-connected world

- Support of new USB Type C in front
- Flexible graphics options (VGA, DVI-D, HDMI, Type C)
- USB Type C support of 60W (optional to power a display)
- Legacy PS2, serial port, parallel port connectors as option



Components

| | |
|------------------------------------|---|
| Operating systems | |
| Operating system pre-installed | Windows 11 Home Windows 10 Pro. Fujitsu recommends Windows 11 Pro for business. Windows 11 Pro. Fujitsu recommends Windows 11 Pro for business. |
| Operating system compatible | FREE Upgrade to Windows 11* *Upgrade timing may vary by device. Features and app availability may vary by region. Certain features require specific hardware (see aka.ms/windows11-spec). |
| Operating system notes | Windows 11 requires for first device setup: - Internet connectivity - Microsoft account for Home editions or organizational account (e.g. ADD) for Pro editions After product end of life, Fujitsu continues to test and support new Windows releases for max. 5 years, depending on extension of hardware services through warranty top ups. For more details please visit our Fujitsu Service Statement under https://support.ts.fujitsu.com/IndexProdSupport.asp?lng=com&OpenTab= |
| Processor | |
| | Intel® Core™ i9-10900 processor (10 Cores / 20 Threads, 2.80 GHz, 20 MB, Intel® UHD Graphics 630) ** |
| | Intel® Core™ i7-10700 processor (8 Cores / 16 Threads, 2.90 GHz, 16 MB, Intel® UHD Graphics 630) ** |
| | Intel® Core™ i5-10600 processor (6 Cores / 12 Threads, 3.30 GHz, 12 MB, Intel® UHD Graphics 630) * |
| | Intel® Core™ i5-10500 processor (6 Cores / 12 Threads, 3.10 GHz, 12 MB, Intel® UHD Graphics 630) * |
| | Intel® Core™ i5-10400 processor (6 Cores / 12 Threads, 2.90 GHz, 12 MB, Intel® UHD Graphics 630) * |
| | Intel® Core™ i3-10100 processor (4 Cores / 8 Threads, 3.60 GHz, 6 MB, Intel® UHD Graphics 630) * |
| | Intel® vPro® Platform Logo with Intel® Core™ i5-10500, Intel Core i5-10600, Intel® Core™ i7 and Intel® Core™ i9 processors *with Intel® Turbo Boost Technology 2.0 (clock speed and performance will vary depending on workload and other variables) **with Intel® Turbo Boost Max Technology 3.0 (clock speed and performance will vary depending on workload and other variables) |
| Memory modules | |
| | 4 GB (1 module(s) 4 GB) DDR4, unbuffered, non-ECC, 2,933 MT/s, UDIMM |
| | 8 GB (1 module(s) 8 GB) DDR4, unbuffered, non-ECC, 2,933 MT/s, UDIMM |
| | 16 GB (1 module(s) 16 GB) DDR4, unbuffered, non-ECC, 2,933 MT/s, UDIMM |
| | 32 GB (1 module(s) 32 GB) DDR4, unbuffered, non-ECC, 2,933 MT/s, UDIMM |
| Mass Storage M.2 technology | |
| | SSD PCIe, 1024 GB M.2 NVMe module, SED |
| | SSD PCIe, 1024 GB M.2 NVMe module |
| | SSD PCIe, 512 GB M.2 NVMe module, SED |
| | SSD PCIe, 512 GB M.2 NVMe module |
| | SSD PCIe, 256 GB M.2 NVMe module, SED |
| | SSD PCIe, 256 GB M.2 NVMe module |
| | SSD PCIe, 128 GB M.2 NVMe module |
| | RAID1 Bundle 2x512GB M.2 NVMe |
| | RAID1 Bundle 2x256GB M.2 NVMe |
| Mass storage 3.5 inch size | |
| | HDD SATA III, 7,200 rpm, 2000 GB, 3.5-inch |
| | HDD SATA III, 7,200 rpm, 1000 GB, 3.5-inch |
| Mass storage 2.5 inch size | |
| | HDD SATA III, 5,400 rpm, 500 GB, 2.5-inch |
| Mass Storage M.2 technology | |
| | SSD PCIe, 512 GB M.2 NVMe module (Value) |
| | SSD PCIe, 256 GB M.2 NVMe module (Value) |
| Hard disk notes | |
| | One Gigabyte equals one billion bytes, when referring to hard disk drive capacity. SSD (Solid State Disk) SED (Self-Encrypting Drive) |

| | |
|---|--|
| Graphics | NVIDIA® T400, 2 GB |
| | NVIDIA® GeForce® GTX 1650, 4 GB |
| | MiniDP to DP Adapter Cable |
| | AMD Radeon™ Pro WX 3200, 4 GB |
| Drives (optional) | BD Triple Writer SATA ultra slim (tray) |
| | DVD Super Multi ultra slim (tray) |
| | SD Card reader |
| Interface add on cards/components (optional) | 2.5 Gigabit Ethernet PCIe x1 |
| | Intel® Wi-Fi 6 AX200 and Bluetooth 5.1 vPro, SRD 5.8GHz (dedicated regions only) |
| | Dual serial card PCIe x1 LP |
| | |

Base unit

| | |
|--------------------------------|---|
| Base unit | ESPRIMO D9010 |
| Mainboard | |
| Mainboard type | D3822 |
| Formfactor | proprietary |
| Chipset | Intel® Q470 |
| Processor socket | LGA 1200 |
| Processor quantity maximum | 1 |
| Supported capacity RAM (max.) | 128 GB |
| Memory slots | 4 DIMM (DDR4) |
| Memory frequency | 2,933 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. 2933 MHz may be clocked down to 2400MHz depending on processor and memory configuration |
| LAN | 10/100/1,000 MBit/s Intel® I219LM |
| Integrated WLAN | optional; Intel® Wi-Fi 6 AX200 (2x2/160) Gig+ and Bluetooth 5.1 |
| BIOS version | AMI Aptio V UEFI Specification 2.6 |
| BIOS features | BIOS Flash EPROM update by software Recovery BIOS Unified Extensible Firmware Interface (UEFI) |
| Audio type | On board |
| Audio codec | Realtek ALC623 |
| Audio features | Internal speaker supports audio playback (optional), High Definition audio, 5.1 surround sound |
| I/O controller on board | |
| Serial ATA total | 4 |
| thereof SATA III | 4 |
| Controller functions | Serial ATA III (6 Gbit) NCQ AHCI RAID 0/1/5/10 |
| Interfaces | |
| Audio: line-in | 1 |
| Audio: line-out | 1 |
| Front audio: headset | 1 |
| USB 2.0 total | 4 |
| USB 3.2 Gen1 (5 Gbps) total | 3 |

Interfaces

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|------------------------------|--|
| USB 3.2 Gen2 (10 Gbps) total | 5 and 1 optional |
| USB front | 2x USB 2.0; 2x USB 3.2 Gen 2; 1x USB 3.2 Gen 2 Type-C (supports up to 15W) |
| USB rear | 2x USB 2.0; 2x USB 3.2 Gen 1; 2x USB 3.2 Gen 2; optional: additional 1x USB 3.2 Gen 2 Type-C (supports DisplayPort 1.4 and power delivery (PD) up to 15W or 60W (occupies PCIe x16 slot) |
| USB internal | 1x USB 2.0 or 1x USB 3.2 (Gen 1) Type A |
| VGA | optional |
| DisplayPort | 2 |
| DVI | optional (DVI-D) |
| Serial (RS-232) | 1 (optional serial port (9pin, 16 byte FIFO, 16550 compatible)) |
| Mouse / Keyboard (PS/2) | 2 (optional) |
| Ethernet (RJ-45) | 1 |
| Parallel | 1 (optional) (25pin with EPP and ECP) |
| Interface Module notes | Anytime USB charge functionality |
| Kensington Lock support | 1 |

Input device / components

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|--------------------------|-------------------|
| Input devices (optional) | Keyboard Mouse |
|--------------------------|-------------------|

Drive bays

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|-------------------------|---|
| Drive bays total | 3 |
| 2.5-inch internal bays | 1 |
| 5.25-inch external bays | 1 |
| Drive bay notes | 1x internal 3.5" bay optional (screwless), can be used via adapter for 1x or 2x 2.5" drives (screwless); 5.25" bay: for slim optical disc drive only; |
| M.2-2280 | 2 x on mainboard for SSD NVMe (PCIe 3.0 x4; up to 32Gbit/s) |

Slots

| | |
|--------------------------------|--|
| PCI-Express 3.0 x4 (mech. x16) | 1 x (150 mm / 5.91 inch) |
| PCI-Express 3.0 x16 | 1 x (210 mm / 8.27 inch) Low profile or full height (via Riser card), optional |
| M.2-2230 | on mainboard for WLAN/Bluetooth 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 (VGA) | Up to 1,920 x 1,080 pixel |
| TFT resolution (DVI) | Up to 1,920 x 1,200 pixel |
| TFT resolution (DisplayPort) | Up to 4,096 x 2,304 pixel |
| TFT resolution (HDMI) | Up to 4,096 x 2,160 pixel (30 Hz) |
| Graphics features | Support for up to three independent displays DirectX® 12 HDCP support OpenCL™ 2.1 OpenGL® 4.5 For multi monitoring mode, graphics card and integrated graphics run in parallel DisplayPort interface supports Ver. 1.4 incl. Multi-Stream Digital audio formats are supported, including Dolby Digital Plus (7.1 channels) DVI-D interface supports audio output if connected to the HDMI interface of a display via suitable adapter cables (not included) Additional I/O connectors configurable, choice of DVI-D HDMI™ VGA USB Type-C™ (supports DisplayPort™ 1.4 and power delivery (PD) up to 15W) USB Type-C™ (supports DisplayPort™ 1.4 and power delivery (PD) up to 60W. Occupies PCIe x16 slot) |

Graphics on board

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

| | |
|-----------------------|---|
| Power efficiency note | Power supply efficiency in % at 10% / 20% / 50% / 100% load 80Plus GOLD: for 230V ; 87/90/92/91 for 115V ; 86/89/91/88 |
|-----------------------|---|

80Plus PLATINUM:
for 230V ; 88/92/94/93
for 115V ; 87/91/92/91

| | |
|--------------------------------------|------------------------------------|
| 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 | GOLD: 280W; PLATINUM: 300 W |
| Power factor correction/active power | active |
| Monitor outlet | Switched for PLATINUM power supply |

Power consumption

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|----------------------------|---|
| Power consumption note | See white paper Energy Consumption |
| Link to Energy White Paper | https://docs.ts.fujitsu.com/dl.aspx?id=dd0b6607-e074-4070-b958-9b2d8cc9bd41 |

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™ i9-10900 processor and 128GB, ODD; Windows 10 (tower position) |
| Standard noise emission | 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 | for PLATINUM PSU: 3.2 B / 19 dB(A) Bystander; 20 dB(A) Operator position (SSD M.2) 3.4 B / 21 dB(A) Bystander; 23 dB(A) Operator position (SSD M.2 and 3.5" HDD) |
| Standard noise operation mode: HDD load | for PLATINUM PSU: 3.2 B / 19 dB(A) Bystander; 20 dB(A) Operator position (SSD M.2) 3.5 B / 22 dB(A) Bystander; 24 dB(A) Operator position (SSD M.2 and 3.5" HDD) |
| Standard noise operation mode: Idle mode | for PLATINUM PSU: 3.2 B / 19 dB(A) Bystander; 21 dB(A) Operator position (SSD M.2) 3.4 B / 20 dB(A) Bystander; 23 dB(A) Operator position (SSD M.2 and 3.5" HDD) |
| Standard noise operation mode: ODD load | for PLATINUM PSU: 4.4 B / 31 dB(A) Bystander; 36 dB(A) Operator position (SSD M.2) 4.5 B / 31 dB(A) Bystander; 38 dB(A) Operator position (SSD M.2 and 3.5" HDD) |
| Standard noise operation mode: Office applications 2.0 | for PLATINUM PSU: 3.2 B / 19 dB(A) Bystander; 21 dB(A) Operator position (SSD M.2) 3.4 B / 22 dB(A) Bystander; 23 dB(A) Operator position (SSD M.2 and 3.5" HDD) |

Dimensions / Weight / Environmental

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|-------------------------------|---|
| Dimensions (W x D x H) | 314 x 296 x 89 mm 12.36 x 11.65 x 3.51 inch |
| Operating position | horizontal / vertical (optional, feet needed) |
| Weight | approx. 8 kg |
| Weight (lbs) | approx. 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 D9010 |
| Model | DTG |
| 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) Microsoft Secured-core PC certification (for selected configurations) ENERGY STAR® 8.0, depending on configuration EPEAT® Silver (dedicated regions), depending on configuration ENERGY STAR® compliance is an order option. Non ENERGY STAR/ TCO/ EPEAT compliant products are marked at brand name with additional suffix "n". |
| 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

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|------------------------------------|--|
| Additional software (preinstalled) | 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 2021 Microsoft® Office Home and Business 2021 (Need to buy license to activate the pre-installed Microsoft Office. Purchase and activation only in the region in which it was acquired.) |
| Additional software (notes) | Use of accompanying and/or additional Software is subject to proactive acceptance of the respective License Agreements /EULAs/ Subscription and support terms of the Software manufacturer as applicable for the relevant Software whether preinstalled or optional. The software may only be available bundled with a software support subscription which – depending on the Software - may be subject to separate remuneration. |

Security

| | |
|--------------------------|--|
| Physical Security | Kensington Lock support Eye for padlock Integrated cabinet lock (optional) Cable Cover (optional; covers and secures the ports and cables on rear side) |
| System and BIOS Security | Embedded security (TPM 2.0) EraseDisk Credential Guard Ready and Device Guard Capable (requires 8 GB or more system RAM and SSD PCIe NVMe) Modern Standby ready (for configurations with NVMe SSD and w/o PCIe cards) 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 | |
|----------------------------------|---|
| Security Notes | The properties of the product provide a baseline for product security and therefore end-customer IT security. However, these properties are not sufficient on their own to protect the product from all existing threats, such as intrusion attempts, data exfiltration and other forms of cyberattacks. To customize security settings, please use the configuration options as available for the respective product. During operation, the IT security of this product is within the responsibility of the respective administrator/end-user of the product. Please note, that Fujitsu as a manufacturer does not make any policy prescriptions or advocacy statements regarding IT security best practices and/or general product operation. |
| Manageability | |
| Manageability technology | DeskUpdate Driver management PXE 2.1 Boot code Wake up from S5 (off mode) Intrusion switch (optional) WoL (Wake on LAN) iAMT 14.0 (depending on processor) |
| Manageability software | DeskView Client DeskView Instant BIOS Management |
| DeskView components | BIOS Management incl. Security Inventory Management Driver Management Alarm Management |
| Supported standards | 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) |
| Manageability link | https://www.fujitsu.com/global/products/computing/pc/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 Internal dust filter (optional) |
| Serviceability | |
| | EasyFix EasyChange for single 3.5" HDD (optional) EasyChange for optical drives |
| Packaging information | |
| Packaging dimension (mm) | 499 x 296 x 439 mm |
| Packaging dimension (inch) | 19.65 x 11.65 x 17.28 inch |
| Max. quantity / pallet | 24 |
| Material - Weight (g) Carton | 1117 g |
| Material - Weight (lbs) Carton | 2.46 lbs |
| Material - Weight (g) EPS / PS | 225 g |
| Material - Weight (lbs) EPS / PS | 0.5 lbs |
| Material - Weight (g) PE | 25 g |
| Material - Weight (lbs) PE | 0.06 lbs |
| Packaging notes | printed user documentation is bleached in chlorine free process; Bulk packaging for projects (optional) |
| Warranty | |
| Warranty period | 3 years |
| Warranty type | Bring-In / Onsite Service (depending on country) |
| Warranty Terms & Conditions | http://www.fujitsu.com/warranty |

Warranty

Digital bug fixes

Subject to availability and following their generic release for the product, bug fixes and function-preserving patches for product-related software (firmware) can be downloaded from the technical support at: <https://support.ts.fujitsu.com/> free of charge by entering the respective product serial number. For application software supplied together with the product, please directly refer to the support websites of the respective software manufacturer.

Product Support - the perfect extension

Recommended Service

9x5, Onsite Response Time: Next Business Day

Spare Parts availability

5 years

Service Weblink

<http://www.fujitsu.com/emeia/products/product-support-services/>

Recommended Accessories

Blue LED Mouse M960



The Blue LED Mouse M960 comes in a slim design with proven Fujitsu engineering quality. The track on glass Blue LED sensor enables ultra precise switchable resolution at 1,000, 1,600 and 2,000 dpi. Blue LED Mouse M960 makes your life easier because it's tailor-made for right handed users. It just feels great in your hand.

Order Code:

S26462-F5801-L530

Order Code:

S26381-K470-L100

More information

Fujitsu products, solutions & services

In addition to Fujitsu Desktop ESPRIMO D9010, 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/

Software

www.fujitsu.com/software/

More information

Learn more about Fujitsu Desktop ESPRIMO D9010, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.

www.fujitsu.com/emeia/products/computing/pc/desktops/

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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Disclaimer

Please note that the data sheet reflects the technical specification with the maximum selection of components for the named system and not the detailed scope of delivery. The scope of delivery is defined by the selection of components at the time of ordering.

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The overall product has been designed and manufactured for general office use, regular personal use and ordinary industrial use.

Contact

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