

Fujitsu recommends Windows 10 Pro.

Data Sheet

FUJITSU Desktop ESPRIMO D956/LL

Combines Longevity with Highest Reliability

The FUJITSU ESPRIMO D956/LL with its compact housing, is the perfect PC for environments where space saving is key. This PC features a prolonged lifecycle and is the ideal choice for long-term projects up to 24 months. Its sophisticated design ensures reliable 24/7 operations with an extended ambient temperature range up to 40° C (104° F) and extremely low failure rates. Intel® vPro™ technology lowers your TCO. A variety of interfaces deliver connectivity to a wide range of external devices. The 90%-efficient, integrated power supply reduces your energy bill.



Long lifecycle

Provides the continuity and availability required for long-term projects

- The ideal choice for long-term projects of up to 24 months

Extended usage scenarios

Excellent PC reliability and extended capabilities

- Selected components are optimized for 24/7 operations and the PC supports an extended temperature range of up to 40°C (104° F)

Compact design

Ideal for environments where space is limited

- Volume of only 10 liters (.35 cubic feet), integrated, highly efficient power supply, legacy interfaces and powered serial ports – can be positioned both horizontally and vertically

Green technology

Another example of the Fujitsu commitment to environmental protection and sustainability

- Halogen-free mainboard and highly energy-efficient power supply, sophisticated product concept supporting a stable lifecycle

System management

Simple system administration for complex IT infrastructures

- Intel® vPro™ technology (depending on processor) combined with the DeskView manageability suite



Components

| Operating systems | |
|--------------------------------|---|
| Operating system pre-installed | Windows 10 Pro. Fujitsu recommends Windows 10 Pro. Windows 10 Home Windows 7 Professional (available through downgrade rights from Windows 10 Pro) |
| Operating system compatible | Windows 8.1 Pro (available through downgrade rights from Windows 10 Pro) openSUSE Linux |
| | Intel® vPro™ Logo with Intel® Core i5 and Core i7 processors *with Intel® Turbo Boost Technology (clock speed and performance will vary depending on workload and other variables) Intel® Smart Response Technology supported by Intel® Core™ i3, i5 and i7 processors **6th generation Intel® processor |
| Hard disk notes | |
| | Up to 20 GB of HDD space is reserved for system recovery SSHD (Solid State Hard Disk, Hybrid drive) SSD (Solid State Disk) SED (Self-Encrypting Drive) |

Base unit

| Base unit | ESPRIMO D956/LL |
|-------------------------------|--|
| Mainboard | |
| Mainboard type | D3432 |
| Formfactor | proprietary |
| Chipset | Intel® Q170 |
| Processor socket | LGA 1151 |
| Processor quantity maximum | 1 |
| Supported capacity RAM (max.) | 64 GB |
| Memory slots | 4 DIMM (DDR4) |
| Memory frequency | 2,133 MT/s |
| Memory notes | Dual channel support For dual channel performance, a minimum of 2 memory modules have to be ordered. Capacity per channel has to be the same. |
| LAN | 10/100/1,000 MBit/s Intel® I219LM |
| BIOS version | AMI Aptio V UEFI Specification 2.4 |
| BIOS features | BIOS Flash EPROM update by software Recovery BIOS Unified Extensible Firmware Interface (UEFI) CSM (Compatibility Support Module) |
| 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 |

I/O controller on board

| | |
|----------------------|---|
| 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: microphone | 1 |
| Front audio: headphone | 1 |
| USB 2.0 total | 6 |
| USB 3.1 Gen1 (USB 3.0) total | 6 |
| USB front | 2x USB 2.0; 2x USB 3.0 |
| USB rear | 2x USB 2.0; 4x USB 3.0 |
| USB internal | 2x USB 2.0 |
| VGA | optional: via adapter card |
| DisplayPort | 2 |
| DVI | 1 (DVI-D) |
| Serial (RS-232) | 1 ; optional: 2nd serial port (9pin, 16 byte FIFO, 16550 compatible) |
| Mouse / Keyboard (PS/2) | 2 |
| Ethernet (RJ-45) | 1 |
| Parallel | 1 (optional) (25pin with EPP and ECP) |
| eSATA | 1 (optional) |
| Interface Module notes | Anytime USB charge functionality |

Input device / components

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

Drive bays

| | |
|-------------------------|---|
| 3.5-inch internal bays | 1 |
| 3.5-inch external bays | 1 |
| 5.25-inch external bays | 1 |
| Drive bay notes | 5,25" bay: for slim optical disc drive only; internal 3.5" bay: 1x 3.5" drive (screwless) or 1x 2.5" drive (screws) or optional via adapter for 1x or 2x 2.5" drives (screwless); external 3.5" bay: optional as internal 3.5" bay (screws) |
| M.2-2280 | 1 x on mainboard (for PCIe or SATA SSD modules) |

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 |
| PCI-Express x1 | 2 x (174 mm / 6.85 inch) Low profile |

Graphics on board

| | |
|----------------------|--|
| Graphics brand name | Intel® HD Graphics 510, Intel® HD Graphics 530 |
| Shared video memory | up to 1,782 MB |
| 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 |

Graphics on board

| | |
|-------------------------------------|---|
| 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 3,840 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® 4.4 One DisplayPort connector can be converted to DVI-D or HDMI with an optional external adapter 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 for HDMI monitors |
| 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 (at 230V; 10% / 20% / 50% / 100% load) : 84% / 90% / 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 | 280 W |
| Power factor correction/active power | active |
| Monitor outlet | Switched |

Power consumption

| | |
|-----------------------------------|---|
| Power consumption note | See white paper Energy Consumption |
| Link to Energy White Paper | http://docs.ts.fujitsu.com/dl.aspx?id=1c060def-7f2c-4905-a668-4a479e541743 |

Heat dissipation

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

Noise emission

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|--|--|
| Related Processors for noise | Intel® Core™ i7 6700 |
| 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 | 3.4 B / 20 dB(A) Bystander; 24 dB(A) Operator position |
| Standard noise operation mode: HDD load | 3.2 B / 18 dB(A) Bystander; 20 dB(A) Operator position |

Noise emission

| | |
|--|---|
| Standard noise operation mode: Idle mode | 3.2 B / 18 dB(A) Bystander; 19 dB(A) Operator position |
| Standard noise operation mode: ODD load | 4.4 B / 30 dB(A) Bystander; 35 dB(A) Operator position |
| Standard noise operation mode: Office applications 2.0 | 3.2 B / 18 dB(A) Bystander; 19 dB(A) Operator position |
| Blue angel noise emission according certification | According to ISO 7779:2010, ECMA-74 for max. possible configuration |
| Blue angel noise notes / description | A-weighted sound power level L _{wad} (in B); 1B = 10dB |
| Blue angel noise operation mode: HDD load | 3.4 B = 34 dB (A) |
| Blue angel noise operation mode: Idle mode | 3.3 B = 33 dB (A) |
| Blue angel noise operation mode: ODD load | 4.5 B = 45 dB (A) |

Dimensions / Weight / Environmental

| | |
|-------------------------------|---|
| Dimensions (W x D x H) | 332 x 337 x 89 mm 12.68 x 13.28 x 3.51 inch |
| Operating position | horizontal / vertical (optional, feet needed) |
| Weight | 8 kg |
| Weight (lbs) | 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 D956/LL |
| Model | DTF |
| Germany | TÜV GS |
| Europe | CE |
| USA/Canada | FCC Class B cCSAus |
| Global | RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) ENERGY STAR® 6.1 (dedicated regions) EPEAT® Gold (dedicated regions) |
| China | CCC (planned) |
| Compliance link | https://sp.ts.fujitsu.com/sites/certificates |

Additional Software

| | |
|------------------------------------|---|
| Additional software (preinstalled) | Adobe® Reader® (pdf reader) McAfee Multi Access Security (anti-virus and internet security software; 60 days trial version) Win7: Fujitsu Recovery (hard disk based recovery) Win8: Microsoft Push Button Recovery (hard disk based recovery) Microsoft Office (buy license to activate the pre-installed 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 |

Manageability

| Security | |
|---|---|
| Physical Security | Kensington Lock support Eye for padlock Integrated cabinet lock (optional) |
| System and BIOS Security | Embedded security (TPM 2.0) EraseDisk (optional) 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) Workplace Protect (secure authentication solution) |
| Workplace Embedded Tools | Auto BIOS Update via Fujitsu Server Auto BIOS Update via customer server (optional) Easy PC Protection (optional) |
| Miscellaneous | |
| | Keyboard on (Special Fujitsu keyboard required) Thermal management Low Power Active Mode Extended lifetime 24/7 (limited configurations) |
| Serviceability | |
| | EasyFix EasyChange for HDD EasyChange for optical drives |
| Packaging information | |
| Packaging dimension (mm) | 467 x 265 x 540 mm |
| Packaging dimension (inch) | 18.39 x 10.43 x 21.26 inch |
| Max. quantity / pallet | 28 |
| Material - Weight (g) Carton | 1180 g |
| Material - Weight (lbs) Carton | 2.6 lbs |
| Material - Weight (g) EPS / PS | 180 g |
| Material - Weight (lbs) EPS / PS | 0.4 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 EMEIA) |
| Warranty type | Bring-In / Onsite Service (for countries within region EMEIA, for all other countries depending on local regulations) |
| Warranty Terms & Conditions | http://support.ts.fujitsu.com/warranty |
| 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 5 years |
| Service Weblink | http://www.fujitsu.com/fts/services/support |

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

Mouse M440 ECO

Fujitsu Mouse M440 ECO is made from 100% bio material and has a completely PVC free cable. The elegant M440 ECO works on nearly every surface and follows all your hand movements smoothly and precisely. It features two main buttons and as well as a scroll wheel providing comfortable computing to both right and left-handed users.

Order Code:
S26381-K450-L200

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

UC&C USB Value Headset

The FUJITSU UC&C USB Value Headset is a lightweight bi-aural full-size stereo headset with high wearing comfort. This Lync-tested USB-Headset has an appropriate Inline-Controller which supports easy call management. A noise cancelling microphone facilitates undisturbing clear phone calls.

Order Code:
S26391-F7139-L20

Keyboard KBPC PX ECO

Fujitsu's KBPC PX ECO keyboard is the perfect contribution to Green IT. The keyboard is made out of 45% renewable raw material and comes with a PVC free USB cable. In addition, the KBPC PX ECO offers first class comfort and ergonomics. It attracts attention with its impressive modern design and useful extras.

S26381-K341-L1** (**: country specific variation)

More information

Fujitsu products, solutions & services

In addition to FUJITSU Desktop ESPRIMO D956/LL, 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 D956/LL, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
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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