

Fujitsu recommends Windows 10 Pro.

# Data Sheet

## FUJITSU Desktop ESPRIMO D556/2/E90+

### Your Flexible and Economic PC

The FUJITSU ESPRIMO D556/2/E90+ Desktop provides high-quality computing for your daily office tasks. It supports attractive price points and delivers the continuity needed for daily operations. Your valuable business data is protected by the latest TPM controller and the Erasedisk option. To meet your specific hardware needs it can be either individually configured or customized.

#### High performance and best price/performance ratio

Powerful and cost-effective small form factor desktop

- 7th generation Intel® Core™ processor family

#### System management

The perfect answer to offload your IT administrators

- DeskView Admin enhances the management of the devices in your IT infrastructure during productive operation – even during remote periods and after hours

#### Made in Germany

Outstanding quality and stable functions based on German production standards

- The development, production and functionality tests - all under one roof in Germany

#### Lifecycle

Hardware continuity for long-lasting project requirements

- Managed lifecycle up to 12 months

#### Meets ENERGY STAR® requirements

Low power consumption and low costs, without any loss in performance

- 90% energy efficient power supply



# Components

<b>Operating systems</b>	
<b>Operating system pre-installed</b>	Windows 10 Pro. Fujitsu recommends Windows 10 Pro. Windows 10 Home
<b>Operating system compatible</b>	Windows 7 Professional 32-bit (available through downgrade rights from Windows 10 Pro) (with 6th generation Intel® processors) Windows 7 Professional 64-bit (available through downgrade rights from Windows 10 Pro) (with 6th generation Intel® processors) openSUSE Linux (with 6th generation Intel® processors)
<b>Operating system notes</b>	Systems with 7th generation Intel® processor receive support from Microsoft with Windows 10 Home / Windows 10 Pro only. For more information, please see Microsoft Support Lifecycle. Downgrade to Microsoft Windows 7 Professional only available with 6th generation Intel® processor 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 <a href="http://support.ts.fujitsu.com">http://support.ts.fujitsu.com</a> .
	*with Intel® Turbo Boost Technology (clock speed and performance will vary depending on workload and other variables) **6th generation Intel® processor
<b>Hard disk notes</b>	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

<b>Base unit</b>	ESPRIMO D556/2/E90+
<b>Mainboard</b>	
<b>Mainboard type</b>	D3430-U
<b>Formfactor</b>	proprietary
<b>Chipset</b>	Intel® H110
<b>Processor socket</b>	LGA 1151
<b>Processor quantity maximum</b>	1
<b>Supported capacity RAM (max.)</b>	32 GB
<b>Memory slots</b>	2 DIMM (DDR4)
<b>Memory frequency</b>	2,400 MT/s
<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. DDR4 2,400 MHz will be clocked with 2,133 MHz in combination with 6th generation Intel® processor
<b>LAN</b>	10/100/1,000 MBit/s Realtek RTL8111G
<b>BIOS version</b>	AMI Aptio V UEFI Specification 2.5
<b>BIOS features</b>	BIOS Flash EPROM update by software Recovery BIOS Unified Extensible Firmware Interface (UEFI) CSM (Compatibility Support Module)
<b>Audio type</b>	On board
<b>Audio codec</b>	Realtek ALC671

**Mainboard**

Audio features	Internal speaker supports audio playback (optional), High Definition audio, 5.1 surround sound
----------------	--

**I/O controller on board**

Serial ATA total	3
thereof SATA III	3
thereof eSATA	1
Controller functions	Serial ATA III (6 Gbit) NCQ AHCI

**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	4
USB 3.1 Gen2 total	optional via add on card (planned May 2017)
USB front	2x USB 2.0; 2x USB 3.0
USB rear	2x USB 2.0; 2x USB 3.0
USB internal	2x USB 2.0
VGA	optional: via adapter card
DisplayPort	1
DVI	1 (DVI-D)
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
--------------------------	--

**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 (screws); external 3.5" bay: optional as internal 3.5" bay (screws)
M.2-2280	1 x on mainboard for SSD NVMe (PCIe 2.0 x2; up to 10Gbit/s)

**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	1 x (174 mm / 6.85 inch) Low profile

**Graphics on board**

Graphics brand name	Intel® HD Graphics 510, Intel® HD Graphics 530, Intel® HD Graphics 610, Intel® HD Graphics 630
Shared video memory	up to 1,782 MB

**Graphics on board**

<b>TFT resolution (VGA)</b>	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
<b>TFT resolution (DVI)</b>	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
<b>TFT resolution (DisplayPort)</b>	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
<b>Graphics features</b>	Dual display support 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
<b>Graphics notes</b>	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**

<b>Power efficiency note</b>	power supply efficiency (at 230V; 10% / 20% / 50% / 100% load) : 84% / 90% / 92% / 91%
<b>Rated voltage range</b>	100 V - 240 V
<b>Rated frequency range</b>	50 Hz - 60 Hz
<b>Operating voltage range</b>	90 V - 264 V
<b>Operating line frequency range</b>	47 Hz - 63 Hz
<b>Max. output of single power supply</b>	280 W
<b>Power factor correction/active power</b>	active
<b>Monitor outlet</b>	Switched

**Power consumption**

<b>Power consumption note</b>	See white paper Energy Consumption
<b>Link to Energy White Paper</b>	<a href="http://docs.ts.fujitsu.com/dl.aspx?id=33e3fd63-0399-4b81-9360-5ff7105b382e">http://docs.ts.fujitsu.com/dl.aspx?id=33e3fd63-0399-4b81-9360-5ff7105b382e</a>

**Heat dissipation**

<b>Heat dissipation notes</b>	See white paper Energy Consumption
-------------------------------	------------------------------------

**Noise emission**

<b>Related Processors for noise</b>	Intel® Core™ i7 7700
-------------------------------------	----------------------

**Noise emission**

<b>Standard noise emission</b>	2x4 GB, HDD, ODD, Windows According to ISO 7779:2010, ECMA-74
<b>Standard noise notes / description</b>	A-weighted sound power level L <sub>wad</sub> (in B) / Workplace related A-weighted sound pressure level L <sub>pAm</sub> (in dB(A))
<b>Standard noise operation mode: CPU 50% load</b>	3.5 B / 21 dB(A) Bystander; 25 dB(A) Operator position
<b>Standard noise operation mode: HDD load</b>	3.3 B / 20 dB(A) Bystander; 21 dB(A) Operator position
<b>Standard noise operation mode: Idle mode</b>	3.3 B / 19 dB(A) Bystander; 20 dB(A) Operator position
<b>Standard noise operation mode: ODD load</b>	4.5 B / 31 dB(A) Bystander; 36 dB(A) Operator position
<b>Standard noise operation mode: Office applications 2.0</b>	3.3 B / 19 dB(A) Bystander; 21 dB(A) Operator position
<b>Blue angel noise emission according certification</b>	According to ISO 7779:2010, ECMA-74 for max. possible configuration
<b>Blue angel noise notes / description</b>	A-weighted sound power level L <sub>wad</sub> (in B); 1B = 10dB
<b>Blue angel noise operation mode: HDD load</b>	3.4 B = 34 dB (A)
<b>Blue angel noise operation mode: Idle mode</b>	3.4 B = 34 dB (A)
<b>Blue angel noise operation mode: ODD load</b>	4.6 B = 46 dB (A)

**Dimensions / Weight / Environmental**

<b>Dimensions (W x D x H)</b>	332 x 338 x 89 mm 12.68 x 13.31 x 3.51 inch
<b>Operating position</b>	horizontal / vertical (optional, feet needed)
<b>Weight</b>	8 kg
<b>Weight (lbs)</b>	17.64 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 D556/2/E90+
<b>Model</b>	DTF
<b>Germany</b>	TÜV GS
<b>Europe</b>	CE
<b>USA/Canada</b>	FCC Class B cCSAus
<b>Global</b>	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)
<b>China</b>	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.)
---	--

**Additional Software**

<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.)
---------------------------------------	---

**Manageability****Security**

<b>Physical Security</b>	Kensington Lock support Eye for padlock Integrated cabinet lock (optional)
<b>System and BIOS Security</b>	Embedded security (TPM 2.0) EraseDisk (optional) Credential Guard Ready and Device Guard Capable (Windows 10, v. 1511) 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)
<b>Workplace Embedded Tools</b>	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

**Serviceability**

EasyFix  
EasyChange for HDD  
EasyChange for optical drives

**Packaging information**

<b>Packaging dimension (mm)</b>	467 x 265 x 540 mm
<b>Packaging dimension (inch)</b>	18.39 x 10.43 x 21.26 inch
<b>Max. quantity / pallet</b>	28
<b>Material - Weight (g) Carton</b>	1180 g
<b>Material - Weight (lbs) Carton</b>	2.6 lbs
<b>Material - Weight (g) EPS / PS</b>	180 g
<b>Material - Weight (lbs) EPS / PS</b>	0.4 lbs
<b>Material - Weight (g) PE</b>	60 g
<b>Material - Weight (lbs) PE</b>	0.13 lbs
<b>Packaging notes</b>	printed user documentation is bleached in chlorine free process

**Warranty**

<b>Warranty period</b>	1 year (for countries in EMEA)
<b>Warranty type</b>	Bring-In / Onsite Service (for countries within region EMEA, for all other countries depending on local regulations)
<b>Warranty Terms &amp; Conditions</b>	<a href="http://www.fujitsu.com/warranty">http://www.fujitsu.com/warranty</a>

**Product Support Services - the perfect extension**

<b>Recommended Service</b>	9x5, Onsite Response Time: Next Business Day
----------------------------	--

**Warranty**

Spare Parts availability 5 years after end of product life

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

## 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**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

### Fujitsu products, solutions & services

In addition to FUJITSU Desktop ESPRIMO D556/2/E90+, 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 D556/2/E90+, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.  
[www.fujitsu.com/emeia/ESPRIMO](http://www.fujitsu.com/emeia/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>



### Copyrights

All rights reserved, including intellectual property rights. Designations may be trademarks and/or copyrights of the respective owner, the use of which by third parties for their own purposes may infringe the rights of such owner. For further information see <http://www.fujitsu.com/emeia/resources/navigation/terms-of-use.html>  
Copyright 2019 Fujitsu Technology Solutions GmbH

### Disclaimer

Technical data is subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective owner, the use of which by third parties for their own purposes may infringe the rights of such owner.

#### Contact

Fujitsu Technology Solutions GmbH  
Website: [www.fujitsu.com](http://www.fujitsu.com)  
2019-12-04 EM-EN

All rights reserved, including intellectual property rights. Designations may be trademarks and/or copyrights of the respective owner, the use of which by third parties for their own purposes may infringe the rights of such owner. For further information see <http://www.fujitsu.com/emeia/resources/navigation/terms-of-use.html>  
Copyright 2019 Fujitsu Technology Solutions GmbH