Fujitsu recommends Windows 10 Pro.



# Data Sheet FUJITSU Desktop ESPRIMO P557/E85+

### Your Flexible and Economic PC

The FUJITSU ESPRIMO P557/E85+ 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 microtower

■ 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 of up to 12 months

### Meets ENERGY STAR® requirements

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

■ 85% energy efficient power supply











Page 1 / 9 www.fujitsu.com/fts/ESPRIMO

# Components

Processor	Intel® Core™ i7-7700 processor (4 Cores / 8 Threads, 3.60 GHz, up to 4.2 GHz, 8 MB, Intel® HD Graphics 630) *		
	Intel® Core™ i7-6700 processor (4 Cores / 8 Threads, 3.40 GHz, up to 4.0 GHz, 8 MB, Intel® HD Graphics 530) *, **		
	Intel® Core™ i5-7600 processor (4 Cores / 4 Threads, 3.50 GHz, up to 4.1 GHz, 6 MB, Intel® HD Graphics 630) *		
	Intel® Core™ i5-7500 processor (4 Cores / 4 Threads, 3.40 GHz, up to 3.8 GHz, 6 MB, Intel® HD Graphics 630) *		
	Intel® Core™ i5-7400 processor (4 Cores / 4 Threads, 3.00 GHz, up to 3.5 GHz, 6 MB, Intel® HD Graphics 630) *		
	Intel® Core™ i5-6600 processor (4 Cores / 4 Threads, 3.30 GHz, up to 3.9 GHz, 6 MB, Intel® HD Graphics 530) *, **		
	Intel® Core™ i5-6500 processor (4 Cores / 4 Threads, 3.20 GHz, up to 3.6 GHz, 6 MB, Intel® HD Graphics 530) *, **		
	Intel® Core™ i5-6400 processor (4 Cores / 4 Threads, 2.70 GHz, up to 3.3 GHz, 6 MB, Intel® HD Graphics 530) *, **		
	Intel® Core™ i3-7100 processor (2 Cores / 4 Threads, 3.90 GHz, 3 MB, Intel® HD Graphics 630)		
	Intel® Core™ i3-6100 processor (2 Cores / 4 Threads, 3.70 GHz, 3 MB, Intel® HD Graphics 530) **		
	Intel® Pentium® processor G4400 (2 Cores / 2 Threads, 3.30 GHz, 3 MB, Intel® HD Graphics 510) **		
	Intel® Pentium® Gold G4560 processor (2 Cores / 4 Threads, 3.50 GHz, 3 MB, Intel® HD Graphics 610)		
	Intel® Celeron® processor G3930 (2 Cores / 2 Threads, 2.90 GHz, 2 MB, Intel® HD Graphics 610)		
	Intel® Celeron® processor G3900 (2 Cores / 2 Threads, 2.80 GHz, 2 MB, Intel® HD Graphics 510) **		
	*with Intel® Turbo Boost Technology (clock speed and performance will vary depending on workload and other		
	variables)		
	**6th generation Intel® processor		
Operating systems			
Operating system pre-installed	Windows 10 Pro. Fujitsu recommends Windows 10 Pro.		
	Windows 10 Home		
	Windows 7 Professional 64-bit pre-installed (available through downgrade rights from Windows 10 Pro) (with 6th generation Intel® processors)		
Operating system compatible	Windows 7 Professional 32-bit (available through downgrade rights from Windows 10 Pro) (with 6th generation		
	Intel® processors)		
<u> </u>	openSUSE Linux (with 6th generation Intel® processors)		
Operating system notes	Systems with 7th generation Intel® processor receive support from Microsoft with Windows 10 Home / Windows 10 Pronly. For more information, please see Microsoft Support Lifecycle.		
Memory modules	4 GB (1 module(s) 4 GB) DDR4, unbuffered, non-ECC, 2,400 MHz, UDIMM		
	8 GB (1 module(s) 8 GB) DDR4, unbuffered, non-ECC, 2,133 MHz, UDIMM		
	8 GB (1 module(s) 8 GB) DDR4, unbuffered, non-ECC, 2,400 MHz, UDIMM		
	16 GB (1 module(s) 16 GB) DDR4, unbuffered, non-ECC, 2,400 MHz, UDIMM		
Hard disk drives (internal)	SSD PCIe, 1024 GB M.2 NVMe module		
(incline)	SSD PCIe, 512 GB M.2 NVMe module		
	SSD PCIe, 256 GB M.2 NVMe module		
	SSD PCIe, 128 GB M.2 NVMe module		
	SSD SATA III, 512 GB, 2.5-inch		
	SSD SATA III, 256 GB, 2.5-inch		
	SSD SATA III, 128 GB, 2.5-inch		
	SSD SATA III, 512 GB, 2.5-inch, SED		
	SSD SATA III, 256 GB, 2.5-inch, SED		
	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, 1,000 GB, 3.5-inch		
	HDD SATA III, 7,200 rpm, 500 GB, 3.5-inch		
	HDD SATA II, 5,400 rpm, 500 GB, 2.5-inch		

Page 2 / 9 www.fujitsu.com/fts/ESPRIMO

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)	
Graphics	VGA Extension Card	
	NVIDIA® NVS™ 315, 1 GB	
	NVIDIA® GeForce® GTX 745 2 GB FH, 2 GB	
	LFH59/ 2x DVI-I adapter cable	
	LFH59/ 2x DP adapter cable	
	DVI-I to VGA Adapter	
	DP to DVI-D (single link) Adapter Cable	
	AMD® Radeon RX 460, 4 GB	
	AMD® Radeon R7 340, 2 GB	
Drives (optional)	BD Triple Writer SATA ultra slim (tray)	
	DVD-ROM	
	DVD Super Multi	
	DVD Super Multi ultra slim (tray)	
	MultiCard Reader 24in1 USB 2.0 3.5"	
Interface add on cards/components (optional)		
	WLAN 802.11ac (2x2) PCIe x1 FH and BT 4.1 (dedicated regions only, up to BT 4.2 depending on OS version)	
	WLAN 802.11ac (2x2) PCIe x1 FH (dedicated regions only)	
	Gigabit Ethernet PCle x1, DS	
	Dual serial card PCIe x1	

## Base unit

Base unit	ESPRIMO P557/E85+			
Mainboard				
Mainboard type	D3500			
Formfactor	proprietary			
Chipset	Intel® H110			
Processor socket	LGA 1151			
Processor quantity maximum	1			
Supported capacity RAM (max.)	32 GB			
Memory slots	2 DIMM (DDR4)			
Memory frequency	2,400 MHz			
Memory notes	Dual channel support For dual channel performance, 2 memory modules have to be ordered. Capacity per channel has to be the same.			
LAN	10/100/1,000 MBit/s Realtek RTL8111G			
BIOS version	AMI Aptio V UEFI Specification 2.5			
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			

Page 3 / 9 www.fujitsu.com/fts/ESPRIMO

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			
USB front	2x USB 2.0; 2x USB 3.0; optional: 1x USB 3.1 Type-C (Gen2) via add on card and front adapter bay			
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			
Input device / components				
Input devices (optional)	Keyboard			
	Mouse			
	KBPC PX ECO Mouse M440 ECO			
	MOUSE MI440 LCO			
Drive bays				
Drive bays total	5			
2.5-inch internal bays	1			
3.5-inch internal bays	1			
3.5-inch external bays	1			
5.25-inch external bays	2			
Drive bay notes	5,25" bays: one bay in HH format, one bay for slim optical disc drive only			
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 (240 mm / 9.45 inch) Full height			
PCI-Express x1	2 x (174mm / 210 mm / 6.85 inch / 8.27 inch) Full height			
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			
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			

Page 4 / 9 www.fujitsu.com/fts/ESPRIMO

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 3,440 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® 4.4	
	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)	
diapilics flotes	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) : 75% / 83% / 85% / 84%	
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  Monitor outlet	active No	
	NO .	
Power consumption		
Power consumption note	See white paper Energy Consumption	
Link to Energy White Paper	http://docs.ts.fujitsu.com/dl.aspx?id=54214aad-322e-4b14-a447-8d82e2a569c9	
Heat dissipation		
Heat dissipation notes	See white paper Energy Consumption	
Noise emission		
Related Processors for noise	Intel® Core™ i7 7700	
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	3.6 B / 22 dB(A) Bystander; 25 dB(A) Operator position	
	3.6 B / 23 dB(A) Bystander; 26 dB(A) Operator position	

Page 5 / 9 www.fujitsu.com/fts/ESPRIMO

Noise emission				
Standard noise operation mode: Idle mode	3.5 B / 21 dB(A) Bystander; 24 dB(A) Operator position			
Standard noise operation mode: ODD load	4.6 B / 31 dB(A) Bystander; 37 dB(A) Operator position			
Standard noise operation mode: Office applications 2.0	3.5 B / 21 dB(A) Bystander; 24 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 Lwad (in B); 1B = 10dB			
Blue angel noise operation mode: HDD load	3.8 B = 38 dB (A)			
Blue angel noise operation mode: Idle mode	3.5 B = 35 dB (A)			
Blue angel noise operation mode: ODD load	4.6 B = 46 dB (A)			
Dimensions / Weight / Environmental				
Dimensions (W x D x H)	180 x 304 x 375 mm			
	7.09 x 11.97 x 14.76 inch			
Operating position	Vertical			
Weight	7 kg			
Weight (lbs)	15.50 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 P557/E85+			
Model	MI6W			
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) TPM 2.0 for China (optional)			
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) 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			

Page 6 / 9 www.fujitsu.com/fts/ESPRIMO

Managoahility			
Manageability Manageability technology	DeskUpdate Driver management		
манауеарину сесиноюуу	PXE 2.1 Boot code Wake up from S5 (off mode)		
	Intrusion switch (optional) WoL (Wake on LAN)		
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)		
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 (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		
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		
Serviceability			
	EasyFix EasyChange for single 3.5" HDD (optional) EasyChange for optical drives		
Packaging information			
Packaging dimension (mm)	439 x 296 x 499 mm		
Packaging dimension (inch)	17.28 x 11.65 x 19.65 inch		
Max. quantity / pallet	24		
Material - Weight (g) Carton	1040 g		
Material - Weight (lbs) Carton	2.29 lbs		
Material - Weight (g) EPS / PS	165 g		
Material - Weight (lbs) EPS / PS	0.36 lbs		
Material - Weight (g) PE	60 g		
Material - Weight (lbs) PE 0.13 lbs			

Page 7 / 9 www.fujitsu.com/fts/ESPRIMO

Packaging information		
Packaging notes	If cable cover is inlcuded in packaging: 1.) packaging dimension is increasing to: $505 \times 298 \times 537$ mm / (19.88 x 11.73 x 21.14 inch); 2.) material weight of carton will increase to 1400g; 3.) max. quantity/pallet = 18; 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 Product Related Services - the perfe	http://support.ts.fujitsu.com/warranty rfect extension	
Recommended Service	X - 9x5, Onsite Response Time: Next Business Day	
Spare Parts availability	5 years after end of product life	
Service Weblink	http://www.fujitsu.com/fts/services/support	

## Recommended Accessories

Recommended Accessories			
			Order Code: BDL:BFS-B24-8-TE
Display B24-8 TE Pro	100 (1) my	The FUJITSU Display B24-8 TE Pro is made for intensive office work. With visual and mechanical ergonomics this marble-grey display enables fatigue-free working for hours in front of the screen. The large 60.5 cm (23.8-inch) screen allows you to keep always track of all open applications. This high-quality display works unfailingly around the clock. Easy connectivity, manageability and usability help you increase your productivity.	Order Code: S26361-K1577-V140
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

Page 8 / 9 www.fujitsu.com/fts/ESPRIMO

### More information

### Fujitsu products, solutions & services

In addition to FUJITSU Desktop ESPRIMO P557/ E85+, 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 P557/E85+, 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/qlobal/about/environment



### Copyrights

All rights reserved, including intellectual property rights. Technical data subject to modifications 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 manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.

For further information see www.fujitsu.com/

© 2017 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 manufacturer, 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/fts 2018-05-01 EM-EN All rights reserved, including intellectual property rights. Technical data subject to modifications 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 manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.

For further information see www.fujitsu.com/terms

© 2017 Fujitsu Technology Solutions GmbH