Fujitsu recommends Windows 11 Pro.

Data Sheet
FUJITSU Desktop ESPRIMO P5011

Flexible and economic desktop PC for standard office applications

The FUJITSU ESPRIMO P5011 Desktop PC provides high-quality computing for your everyday office tasks. Security functions such as SmartCard reader (optional), the EraseDisk feature and cable cover help secure your valuable business data as well as hardware components. An easily configurable PC to meet your specific hardware needs as well as customize it to satisfy even more complex project requirements.







High performance and best price/performance ratio
Ensures smooth performance for standard office applications
- The 10th or the latest 11th generation Intel® Core™ processor family
- Higher memory speed, higher clock frequency, improved integrated graphics

Manageability and Ease of Use
"Plug & work" PC that ensures smooth system administration
- Easy to integrate into existing IT landscapes and reliable DeskView manageability tools

Robust Security
Designed to protect data and hardware components against manipulation and theft
- Cable cover with lock option at the back to protect ports, cables and components from theft.
- Embedded Trusted Platform Module (TPM) and system-level passwords. EraseDisk software and SmartCard are available as options

Best energy efficiency coupled with performance
Low power consumption combined with highest levels of performance
- A switched monitor outlet (with PLATINUM power supply)

Made in Europe
Outstanding quality and stable functions based on European production standards
- The development, production and functionality tests - all under one roof in Europe

Fujitsu recommends Windows 11 Pro.

Components

	ESPRIMO P5011	ESPRIMO P5011 ESTAR
Processor	Intel® Core™ i9-10900 processor (10 Cores / 20 Threads, 2.80 GHz, 20 MB, Intel® UHD Graphics 630) ** Intel® Core™ i7-11700 processor (8 Cores / 16 Threads, 2.5 GHz, 16 MB, Intel® UHD Graphics 750) ** Intel® Core™ i7-10700 processor (8 Cores / 16 Threads, 2.90 GHz, 16 MB, Intel® UHD Graphics 630) ** Intel® Core™ i5-11500 processor (6 Cores / 12 Threads, 2.70 GHz, 12 MB, Intel® UHD Graphics 750) * Intel® Core™ i5-10600 processor (6 Cores / 12 Threads, 3.30 GHz, 12 MB, Intel® UHD Graphics 630) * Intel® Core™ i5-10505 processor (6 Cores / 12 Threads, 3.20 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™ i3-10105 processor (4 Cores / 8 Threads, 3.70 GHz, 6 MB, Intel® UHD Graphics 630) * Intel® Pentium® Gold G6400 (2 Cores / 4 Threads, 4.00 GHz, 4 MB, Intel® UHD Graphics 610)	Intel® Core™ i9-10900 processor (10 Cores / 20 Threads, 2.80 GHz, 20 MB, Intel® UHD Graphics 630) ** Intel® Core™ i7-11700 processor (8 Cores / 16 Threads, 2.5 GHz, 16 MB, Intel® UHD Graphics 750) ** Intel® Core™ i7-10700 processor (8 Cores / 16 Threads, 2.90 GHz, 16 MB, Intel® UHD Graphics 630) ** Intel® Core™ i5-11500 processor (6 Cores / 12 Threads, 2.70 GHz, 12 MB, Intel® UHD Graphics 750) * Intel® Core™ i5-10600 processor (6 Cores / 12 Threads, 3.30 GHz, 12 MB, Intel® UHD Graphics 630) * Intel® Core™ i5-10505 processor (6 Cores / 12 Threads, 3.20 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™ i3-10105 processor (4 Cores / 8 Threads, 3.70 GHz, 6 MB, Intel® UHD Graphics 630) *
	*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)	
Operating systems		
Operating system pre-installed	Windows 11 Pro. Fujitsu recommends Windows 11 Pro for business. Windows 11 Home Windows 10 Pro	
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	After the end of the product life Fujitsu will continue to test and support all upcoming Windows 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 General Availability Channel" at https://support.ts.fujitsu.com/IndexProdSupport.asp?lng=com&OpenTab=	

	ESPRIMO P5011	ESPRIMO P5011 ESTAR
Memory modules	32 GB (module(s) 32 GB) DDR4, unbuffered, non-ECC, 3,200 MT/s, UDIMM 16 GB (module(s) 16 GB) DDR4, unbuffered, non-ECC, 3,200 MT/s, UDIMM 8 GB (module(s) 8 GB) DDR4, unbuffered, non-ECC, 3,200 MT/s, UDIMM 4 GB (module(s) 4 GB) DDR4, unbuffered, non-ECC, 3,200 MT/s, UDIMM	32 GB (module(s) 32 GB) DDR4, unbuffered, non-ECC, 3,200 MT/s, UDIMM 16 GB (module(s) 16 GB) DDR4, unbuffered, non-ECC, 3,200 MT/s, UDIMM 8 GB (module(s) 8 GB) DDR4, unbuffered, non-ECC, 3,200 MT/s, UDIMM 4 GB (module(s) 4 GB) DDR4, unbuffered, non-ECC, 3,200 MT/s, UDIMM

	ESPRIMO P5011	ESPRIMO P5011 ESTAR
Graphics	Entry 3D: NVIDIA® T400, 2 GB, PCIe x16, 3 x miniDP Entry 3D: NVIDIA® GeForce® GTX 1650, 4 GB, PCIe x16 Entry 3D: AMD Radeon™ Pro WX 3200, 4 GB, PCIe x16, 4 x miniDP Others: MiniDP to DP Adapter Cable	Entry 3D: NVIDIA® T400, 2 GB, PCIe x16, 3 x miniDP Others: MiniDP to DP Adapter Cable

	ESPRIMO P5011	ESPRIMO P5011 ESTAR
Mass storage 3.5 inch size	HDD SATA III, 7,200 rpm, 1000 GB, 3.5-inch HDD SATA III, 7,200 rpm, 2000 GB, 3.5-inch	HDD SATA III, 7,200 rpm, 1000 GB, 3.5-inch HDD SATA III, 7,200 rpm, 2000 GB, 3.5-inch

Mass Storage M.2 technology	SSD PCIe, 1024 GB M.2 NVMe module (Gen4), SED SSD PCIe, 128 GB M.2 NVMe module (Value) SSD PCIe, 256 GB M.2 NVMe module (Gen4), SED SSD PCIe, 256 GB M.2 NVMe module (Value) SSD PCIe, 512 GB M.2 NVMe module (Gen4), SED SSD PCIe, 512 GB M.2 NVMe module (Value)	SSD PCIe, 1024 GB M.2 NVMe module (Gen4), SED SSD PCIe, 128 GB M.2 NVMe module (Value) SSD PCIe, 256 GB M.2 NVMe module (Gen4), SED SSD PCIe, 256 GB M.2 NVMe module (Value) SSD PCIe, 512 GB M.2 NVMe module (Gen4), SED SSD PCIe, 512 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)	
	ESPRIMO P5011	ESPRIMO P5011 ESTAR
Optical drive	DVD Super Multi, SATA DVD Super Multi ultra slim (tray), SATA BD Triple Writer SATA ultra slim (tray), SATA	DVD Super Multi ultra slim (tray), SATA BD Triple Writer SATA ultra slim (tray), SATA
	ESPRIMO P5011	ESPRIMO P5011 ESTAR
Interfaces add on cards / components	WLAN 802.11ax (2x2) PCIe x1 FH and Bluetooth 5.2, SRD 5.8GHz (dedicated regions only) Dual serial card PCIe x1	
	ESPRIMO P5011	ESPRIMO P5011 ESTAR
Component notes	The listed product components and optional functions are not available in all region/countries	The listed product components and optional functions are not available in all region/countries; Energy Star certification only with Windows operating system base unit for TCO Certified generation 9

Base unit

Base unit	ESPRIMO P5011	ESPRIMO P5011 ESTAR
Mainboard		
Mainboard type	D3920	
Formfactor	proprietary	
Chipset	Intel® H510	
Processor socket	LGA 1200	
Processor quantity maximum	1	
Supported capacity RAM (max.)	64 GB	
Memory slots	2 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 Realtek RTL8111H	
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, High Definition audio, 5.1 surround sound	
I/O controller on board		
Serial ATA total	4	
thereof SATA III	4	

I/O controller on board	
Controller functions	Serial ATA III (6 Gbit) NCQ AHCI
Interfaces	
Audio: line-in	1
Audio: line-out	1
Front audio: headset	1
USB 2.0 total	6
USB 3.2 Gen1 (5 Gbps) total	4
USB front	3x USB 2.0; 1x USB 3.2 Gen 1 1x USB 3.2 Gen 1 Type C (supports up to 15W)
USB rear	2x USB 2.0; 2x USB 3.2 Gen 1
USB internal	1x USB 2.0
VGA	optional: via external active adapter cable
DisplayPort	2
Ethernet (RJ-45)	1
Interface Module notes	Anytime USB charge functionality
Kensington Lock support	1
Input device / components	
Input devices (optional)	Keyboard Mouse
Drive bays	
Drive bays total	6
2.5-inch internal bays	1
3.5-inch internal bays	2
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; internal 3.5" bays: 3.5" drive (screwless) or 2.5" drive (screws; optional screwless)
M.2-2280	1 x on mainboard for SSD NVMe (PCIe 3.0 x4; up to 32Gbit/s)
Slots	
PCI-Express 3.0 x4 (mech. x16)	1 x (270 mm / 10.63 inch)
PCI-Express 3.0 x16	1 x (270 mm / 10.63 inch) Full height
Graphics on board	
Graphics brand name	Intel® UHD Graphics 730, Intel® UHD Graphics 750, Intel® UHD Graphics 610, Intel® UHD Graphics 630
Shared video memory	Up to half size of total system memory
TFT resolution (DisplayPort)	Up to 4,096 x 2,304 pixel
Graphics features	Dual display support 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)
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
Base unit	ESPRIMO P5011 ESPRIMO P5011 ESTAR

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	
Base unit	ESPRIMO P5011	ESPRIMO P5011 ESTAR
Power consumption		
Power consumption note	See white paper Energy Consumption	See white paper Energy Consumption
Link to Energy White Paper	https://docs.ts.fujitsu.com/dl.aspx?id=ab965880-59cd-4a25-833f-e81358df1490	
Noise emission		
Related Processors for noise	Intel® Core™ i5-10505 processor	Intel® Core™ i5-10505 processor
Standard noise emission	According to ISO 7779:2010, ECMA-74	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))	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	Bystander; Operator position PLATINUM PSU: 3.0 B / 17 dB(A); 19 dB(A) (SSD M.2) GOLD PSU: 3.3 B / 18 dB(A); 22 dB(A) (3.5" HDD)	Bystander; Operator position PLATINUM PSU: 3.0 B / 17 dB(A); 19 dB(A) (SSD M.2) GOLD PSU: 3.3 B / 18 dB(A); 22 dB(A) (3.5" HDD)
Standard noise operation mode: HDD load	Bystander; Operator position PLATINUM PSU: 2.9 B / 17 dB(A); 19 dB(A) (SSD M.2) GOLD PSU: 3.3 B / 18 dB(A); 22 dB(A) (3.5" HDD)	Bystander; Operator position PLATINUM PSU: 2.9 B / 17 dB(A); 19 dB(A) (SSD M.2) GOLD PSU: 3.3 B / 18 dB(A); 22 dB(A) (3.5" HDD)
Standard noise operation mode: Idle mode	Bystander; Operator position PLATINUM PSU: 3.0 B / 17 dB(A); 19 dB(A) (SSD M.2) GOLD PSU:3.3 B / 18 dB(A); 22 dB(A) (3.5" HDD)	Bystander; Operator position PLATINUM PSU: 3.0 B / 17 dB(A); 19 dB(A) (SSD M.2) GOLD PSU:3.3 B / 18 dB(A); 22 dB(A) (3.5" HDD)
Standard noise operation mode: ODD load	Bystander; Operator position PLATINUM PSU: 4.8 B / 33 dB(A); 39 dB(A) (SSD M.2) GOLD PSU: 4.9 B / 33 dB(A); 39 dB(A) (3.5" HDD)	Bystander; Operator position PLATINUM PSU: 4.8 B / 33 dB(A); 39 dB(A) (SSD M.2) GOLD PSU: 4.9 B / 33 dB(A); 39 dB(A) (3.5" HDD)
Standard noise operation mode: Office applications 2.0	Bystander; Operator position PLATINUM PSU: 2.9 B / 17 dB(A); 19 dB(A) (SSD M.2 GOLD PSU: 3.3 B / 19 dB(A); 22 dB(A) (3.5" HDD)	Bystander; Operator position PLATINUM PSU: 2.9 B / 17 dB(A); 19 dB(A) (SSD M.2 GOLD PSU: 3.3 B / 19 dB(A); 22 dB(A) (3.5" HDD)
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	approx. 10 kg	
Weight (lbs)	approx. 22.05 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)	
Product	ESPRIMO P5011	ESPRIMO P5011 ESTAR
Model	MI7W	
Germany	GS TÜV NRTL	
Europe	CE	

Global	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL)	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) ENERGY STAR® 8.0 EPEAT® Silver (dedicated regions) TCO Certified 9.0
Compliance link	https://sp.ts.fujitsu.com/sites/certificates	
Additional Software		
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.)	
Base unit	ESPRIMO P5011	ESPRIMO P5011 ESTAR
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)	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 Gen4 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	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 Gen4 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)	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)
Manageability		
Manageability technology	DeskUpdate Driver management PXE 2.1 Boot code Wake up from S5 (off mode) 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)	

Manageability		
Manageability link	http://www.fujitsu.com/fts/manageability	
Miscellaneous		
	Keyboard on with one key (Fujitsu Keyboards KB521, KB955) Keyboard on with two keys (CTRL+CTRL; special Fujitsu USB keyboards required) Keyboard on with any key (USB) Thermal management Integrated dust filter in front bezel	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)
Packaging information		
Packaging dimension (mm)	439 x 296 x 499 mm	439 x 296 x 499 mm
Packaging dimension (inch)	17.28 x 11.65 x 19.65 inch	17.28 x 11.65 x 19.65 inch
Max. quantity / pallet	24	24
Material - Weight (g) Carton	1113 g	1113 g
Material - Weight (lbs) Carton	2.45 lbs	2.45 lbs
Material - Weight (g) EPS / PS	164 g	164 g
Material - Weight (lbs) EPS / PS	0.36 lbs	0.36 lbs
Material - Weight (g) PE	25 g	25 g
Material - Weight (lbs) PE	0.06 lbs	0.06 lbs
Packaging notes	printed user documentation is bleached in chlorine free process; Bulk packaging for projects (optional)	printed user documentation is bleached in chlorine free process; Bulk packaging for projects (optional)
Warranty		
Warranty period	1 year	
Warranty type	Bring-In / Onsite Service (depending on country)	
Warranty Terms & Conditions	http://www.fujitsu.com/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 Services - 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

More information

Fujitsu products, solutions & services

In addition to FUJITSU Desktop ESPRIMO P5011, 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 P5011, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
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



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