

Fujitsu recommends Windows 10 Pro for business.

Data Sheet

FUJITSU Desktop ESPRIMO D6011

New small form factor PC in a more compact and space-saving design

The FUJITSU ESPRIMO D6011 Desktop is a high performance, secure small form factor PC with good expandability, and good price performance ratio. Faster operations and a new housing helps in space saving to create the perfect working desk. The 80Plus GOLD and 80Plus PLATINUM power supply helps to reduce environmental impact and energy bills.

Latest Intel® Chipset technology and higher memory speed
Good performance ensures faster operations and lower system response time

- Intel® B560 chipset with higher memory frequency of 3,200 MT/s

New housing and good expandability

A new space saving design

- 1x low profile (LP)
- Space saving in width and depth with new 8.3 litres volume

Good connectivity

Be flexible and stay productive in a hyper-connected world

- 4 x USB Type A ports
- USB and audio port in front for easy access

High security with integrated options

Designed to protect data and hardware components against manipulation and theft

- Cable cover and integrated cabinet lock with master key option, EraseDisk software
- Hole for pad lock and Kensington as standard for security
- Embedded security with TPM 2.0, EraseDisk

Low Power Consumption

Reduced environmental impact and reduced energy bills

- 80Plus GOLD and 80Plus PLATINUM power supply efficiency with monitor outlet



Components

	ESPRIMO D6011	ESPRIMO D6011 ESTAR
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™ i5-10505 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™ i7-10700 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™ i5-10505 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 10 Pro. Fujitsu recommends Windows 10 Pro for business. Windows 10 Home	Windows 10 Pro. Fujitsu recommends Windows 10 Pro for business. Windows 10 Home
Operating system notes	Windows 10 Support: After the end of the product life FUJITSU will continue to test and support all upcoming Window 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 http://support.ts.fujitsu.com .	Windows 10 Support: After the end of the product life FUJITSU will continue to test and support all upcoming Window 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 http://support.ts.fujitsu.com .
	ESPRIMO D6011	ESPRIMO D6011 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 D6011	ESPRIMO D6011 ESTAR
Graphics		
	ESPRIMO D6011	ESPRIMO D6011 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 D6011	ESPRIMO D6011 ESTAR
Optical drive	DVD Super Multi ultra slim (tray), SATA BD Triple Writer SATA ultra slim (tray), SATA	
	ESPRIMO D6011	ESPRIMO D6011 ESTAR
Interfaces add on cards / components	Gigabit Ethernet PCIe x1 Dual serial card PCIe x1 LP	
	ESPRIMO D6011	ESPRIMO D6011 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 8

Base unit

Base unit	ESPRIMO D6011	ESPRIMO D6011 ESTAR
Mainboard		
Mainboard type	D3923-A1	
Formfactor	proprietary	
Chipset	Intel® B560	
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 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	High Definition audio, 5.1 surround sound	
I/O controller on board		
Serial ATA total	3	
thereof SATA III	3	
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	5	
USB 3.2 Gen1 (5 Gbps) total	4	
USB front	2x USB 2.0 2x USB 3.2 Gen 1	

Interfaces

USB rear	2x USB 2.0 2x USB 3.2 Gen 1
USB internal	1x USB 2.0
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
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Drive bays

Drive bays total	3
2.5-inch internal bays	1
5.25-inch external bays	1
Drive bay notes	optional: 1x internal 3.5" bay (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	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 (150 mm / 5.91 inch)
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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	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)
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 D6011 ESPRIMO D6011 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 D6011 ESPRIMO D6011 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=6bd04559-a3c6-4b48-a47f-e0cc3104f712	

Noise emission

Related Processors for noise	Intel® Core™ i5-10505 processor and 8GB, ODD; Windows 10 (tower position)	Intel® Core™ i5-10505 processor and 8GB, ODD; Windows 10 (tower position)
Standard noise emission	According to ISO 7779:2010, ECMA-74	
Standard noise notes / description	A-weighted sound power level L _{wad} (in B) / Workplace related A-weighted sound pressure level L _{pAm} (in dB(A))	
Standard noise operation mode: CPU 50% load	for PLATINUM PSU: 3.1 B / 18 dB(A) Bystander; 20 dB(A) Operator position (SSD M.2) for GOLD PSU: 3.2 B / 18 dB(A) Bystander; 20 dB(A) Operator position (3.5" HDD)	for PLATINUM PSU: 3.1 B / 18 dB(A) Bystander; 20 dB(A) Operator position (SSD M.2) for GOLD PSU: 3.2 B / 18 dB(A) Bystander; 20 dB(A) Operator position (3.5" HDD)
Standard noise operation mode: HDD load	for PLATINUM PSU: 3.2 B / 18 dB(A) Bystander; 20 dB(A) Operator position (SSD M.2) for GOLD PSU: 3.5 B / 22 dB(A) Bystander; 24 dB(A) Operator position (3.5" HDD)	for PLATINUM PSU: 3.2 B / 18 dB(A) Bystander; 20 dB(A) Operator position (SSD M.2) for GOLD PSU: 3.5 B / 22 dB(A) Bystander; 24 dB(A) Operator position (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) for GOLD PSU: 3.1 B / 18 dB(A) Bystander; 20 dB(A) Operator position (3.5" HDD)	for PLATINUM PSU: 3.2 B / 19 dB(A) Bystander; 21 dB(A) Operator position (SSD M.2) for GOLD PSU: 3.1 B / 18 dB(A) Bystander; 20 dB(A) Operator position (3.5" HDD)
Standard noise operation mode: ODD load	for PLATINUM PSU: 4.5 B / 31 dB(A) Bystander; 35 dB(A) Operator position (SSD M.2) for GOLD PSU: 4.4 B / 30 dB(A) Bystander; 34 dB(A) Operator position (3.5" HDD)	for PLATINUM PSU: 4.5 B / 31 dB(A) Bystander; 35 dB(A) Operator position (SSD M.2) for GOLD PSU: 4.4 B / 30 dB(A) Bystander; 34 dB(A) Operator position (3.5" HDD)
Standard noise operation mode: Office applications 2.0	for PLATINUM PSU: 3.2 B / 18 dB(A) Bystander; 21 dB(A) Operator position (SSD M.2) for GOLD PSU: 3.3 B / 20 dB(A) Bystander; 21 dB(A) Operator position (3.5" HDD)	for PLATINUM PSU: 3.2 B / 18 dB(A) Bystander; 21 dB(A) Operator position (SSD M.2) for GOLD PSU: 3.3 B / 20 dB(A) Bystander; 21 dB(A) Operator position (3.5" HDD)

Dimensions / Weight / Environmental

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 D6011	ESPRIMO D6011 ESTAR
Model	DTG	
Germany	GS TÜV NRTL	
Europe	CE	

Compliance

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 TCO Certified 8.0 EPEAT® in progress (dedicated regions)
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Compliance link <https://sp.ts.fujitsu.com/sites/certificates>

Additional Software

Additional software (preinstalled)	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 (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 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.)

Base unit ESPRIMO D6011 ESPRIMO D6011 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 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 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) 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

Manageability

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	http://www.fujitsu.com/fts/manageability

Miscellaneous

Keyboard on (Special Fujitsu keyboard required)	Keyboard on (Special Fujitsu keyboard required)
Keyboard on with one key (KBPX Eco, KB521)	Keyboard on with one key (KBPX Eco, KB521)
Keyboard on with 2 keys (CTRL+CTRL) with PS2 or special USB keyboards	Keyboard on with 2 keys (CTRL+CTRL) with PS2 or special USB keyboards
Keyboard on with any key (USB)	Keyboard on with any key (USB)
Thermal management	Thermal management
Internal dust filter (optional)	Internal dust filter (optional)

Packaging information

Packaging dimension (mm)	499 x 296 x 439 mm	499 x 296 x 439 mm
Packaging dimension (inch)	19.65 x 11.65 x 17.28 inch	19.65 x 11.65 x 17.28 inch
Max. quantity / pallet	24	24
Material - Weight (g) Carton	1117 g	1117 g
Material - Weight (lbs) Carton	2.46 lbs	2.46 lbs
Material - Weight (g) EPS / PS	225 g	225 g
Material - Weight (lbs) EPS / PS	0.5 lbs	0.5 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

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 D6011, 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 D6011, 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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