

Fujitsu recommends Windows 11 Pro for business.

Datasheet

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 help 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.

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

- EraseDisk software
- Hole for pad lock and Kensington as standard for security
- Embedded security with TPM 2.0, EraseDisk, Workplace Protect

Low power consumption

Reduced environmental impact and reduced energy bills

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



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Specification

	ESPRIMO D6011	ESPRIMO D6011 ESTARx
Processor	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 (optional)	Windows 11 Pro. Fujitsu recommends Windows 11 Pro for business. Windows 10 Pro Windows 11 Home	
Memory modules	16 GB (1 module(s) 16 GB) DDR4, unbuffered, non-ECC, 3,200 MT/s, UDIMM 8 GB (1 module(s) 8 GB) DDR4, unbuffered, non-ECC, 3,200 MT/s, UDIMM 4 GB (1 module(s) 4 GB) DDR4, unbuffered, non-ECC, 3,200 MT/s, UDIMM	16 GB (1 module(s) 16 GB) DDR4, unbuffered, non-ECC, 3,200 MT/s, UDIMM 8 GB (1 module(s) 8 GB) DDR4, unbuffered, non-ECC, 3,200 MT/s, UDIMM 4 GB (1 module(s) 4 GB) DDR4, unbuffered, non-ECC, 3,200 MT/s, UDIMM
Graphics		
Mass storage 3.5 inch size	HDD SATA III, 7,200 rpm, 3,000 GB, 3.5 inch HDD SATA III, 7,200 rpm, 2,000 GB, 3.5 inch HDD SATA III, 7,200 rpm, 1,000 GB, 3.5 inch	Not available for ESTARx
Mass storage M.2 technology	SSD PCIe, 1,024 GB M.2 NVMe module (Gen 4), SED SSD PCIe, 512 GB M.2 NVMe module (Gen 4), SED SSD PCIe, 256 GB M.2 NVMe module (Gen 4), SED SSD PCIe, 128 GB M.2 NVMe module (Value)	SSD PCIe, 1,024 GB M.2 NVMe module (Gen 4), SED SSD PCIe, 512 GB M.2 NVMe module (Gen 4), SED SSD PCIe, 256 GB M.2 NVMe module (Gen 4), SED SSD PCIe, 128 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)	One Gigabyte equals one billion bytes, when referring to hard disk drive capacity. SSD (Solid State Disk) SED (Self-Encrypting Drive)
Optical drive	DVD Super Multi ultra slim (tray), SATA (optional)	DVD Super Multi ultra slim (tray), SATA (optional)
Interfaces add on cards / Components	WLAN 802.11ax (2x2) PCIe x1 LP and Bluetooth 5.2, SRD 5.8 GHz (dedicated regions only) Gigabit Ethernet PCIe x1 Dual serial card PCIe x1 LP	Not available for ESTARx
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 "ESPRIMO D6011 ESTARx" will be printed on device label as model name

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Base unit

	ESPRIMO D6011	ESPRIMO D6011 ESTARx
Mainboard		
Mainboard type	D3923-A1	D3923-A1
Formfactor	Proprietary	Proprietary
Chipset	Intel® B560	Intel® B560
Processor socket	LGA 1200	LGA 1200
Processor quantity maximum	1	1
Supported capacity RAM (max.)	128 GB	128 GB
Memory slots	4 DIMM (DDR4)	4 DIMM (DDR4)
Memory frequency	3,200 MT/s	3,200 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. 3,200 MHz may be clocked down to 2,400 MHz depending on processor, memory configuration, and memory type	Dual channel support For dual channel performance, 2 memory modules have to be ordered. Capacity per channel has to be the same. 3,200 MHz may be clocked down to 2,400 MHz depending on processor, memory configuration, and memory type
LAN	10/100/1,000 MBit/s Realtek RTL8111H	10/100/1,000 MBit/s Realtek RTL8111H
BIOS version	AMI Aptio V UEFI Specification 2.6	AMI Aptio V UEFI Specification 2.6
BIOS features	BIOS Flash EPROM update by software Recovery BIOS Unified Extensible Firmware Interface (UEFI)	BIOS Flash EPROM update by software Recovery BIOS Unified Extensible Firmware Interface (UEFI)
Audio type	On board	On board
Audio codec	Realtek ALC623	Realtek ALC623
Audio features	High-Definition audio, 5.1 surround sound	High-Definition audio, 5.1 surround sound
I/O controller on board		
Serial ATA total	3	3
Thereof SATA III	3	3
Controller functions	Dual serial card PCIe x1 LP AHCI	Dual serial card PCIe x1 LP AHCI
Interfaces		
Audio: line-in	1	1
Audio: line-out	1	1
Front audio: headset	1	1
USB 2.0 total	5	5
USB 3.2 Gen 1x1 (5 Gbps) total	4	4
USB front	2x USB 2.0 2x USB 3.2 Gen 1x1	2x USB 2.0 2x USB 3.2 Gen 1x1
USB rear	2x USB 2.0 2x USB 3.2 Gen 1x1	2x USB 2.0 2x USB 3.2 Gen 1x1
USB internal	1x USB 2.0	1x USB 2.0
DisplayPort	2	2
Ethernet (RJ-45)	1	1
Interface module notes	Anytime USB charge functionality	Anytime USB charge functionality
Kensington Lock support	1	1
Input device / Components		
Input devices (optional)	Keyboard Mouse	Keyboard Mouse
Drive bays		
Drive bays total	3	3
2.5 inch internal bays	1	1
5.25 inch external bays	1	1
Drive bay notes	1x internal 3.5 inch bay (screwless) can be used via adapter for 1x or 2x 2.5 inch drives (screwless) (optional); 5.25 inch bay: for slim optical disc drive only	1x internal 3.5 inch bay (screwless) can be used via adapter for 1x or 2x 2.5 inch drives (screwless) (optional); 5.25 inch bay: for slim optical disc drive only
M.2-2280	1 x on mainboard for SSD NVMe (PCIe 3.0 x4; up to 32 Gbit/s)	1 x on mainboard for SSD NVMe (PCIe 3.0 x4; up to 32 Gbit/s)

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Slots		
PCI-Express 3.0 x4 (mech. x16)	1 x (150 mm / 5.91 inch)	1 x (150 mm / 5.91 inch)
Graphics on board		
Graphics brand name	Intel® UHD Graphics 630	Intel® UHD Graphics 630
Shared video memory	Shared memory depending on main memory and operating system	Shared memory depending on main memory and operating system
TFT resolution (DisplayPort)	Up to 4,096 x 2,304 pixel	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)	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 60 Hz	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 60 Hz
Electrical values		
Power efficiency note	Power supply efficiency in % at 10% / 20% / 50% / 100% load 80Plus GOLD: For 230 V ; 87 / 90 / 92 / 91 For 115 V ; 86 / 89 / 91 / 88 80Plus PLATINUM: For 230 V ; 88 / 92 / 94 / 93 For 115 V ; 87 / 91 / 92 / 91	Power supply efficiency in % at 10% / 20% / 50% / 100% load 80Plus GOLD: For 230 V ; 87 / 90 / 92 / 91 For 115 V ; 86 / 89 / 91 / 88 80Plus PLATINUM: For 230 V ; 88 / 92 / 94 / 93 For 115 V ; 87 / 91 / 92 / 91
Rated voltage range	100 V – 240 V	100 V – 240 V
Rated frequency range	50 Hz – 60 Hz	50 Hz – 60 Hz
Operating voltage range	90 V – 264 V	90 V – 264 V
Operating line frequency range	47 Hz – 63 Hz	47 Hz – 63 Hz
Max. output of single power supply	GOLD: 280 W; PLATINUM: 300 W	GOLD: 280 W; PLATINUM: 300 W
Power factor correction/active power	Active	Active
Monitor outlet	Switched for PLATINUM power supply	Switched for PLATINUM power supply
Power consumption		
Power consumption note	See white paper Energy Consumption	See white paper Energy Consumption
Noise emission		
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 L _{wad} (in B) / Workplace related A-weighted sound pressure level L _{pAm} (in dB(A))	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 inch 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;
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 inch 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;
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 inch 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;

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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 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 inch HDD)	For GOLD PSU: 4.4 B / 30 dB(A) Bystander;
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 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 inch HDD)	For GOLD PSU: 3.3 B / 20 dB(A) Bystander;
Dimensions / Weight / Environmental		
Dimensions (W x D x H)	314 x 296 x 89 mm 12.36 x 11.65 x 3.51 inch	314 x 296 x 89 mm 12.36 x 11.65 x 3.51 inch
Operating position	Horizontal / vertical (optional, feet needed)	Horizontal / vertical (optional, feet needed)
Weight	Approx. 8 kg	Approx. 8 kg
Weight (lbs)	Approx. 17.64 lbs	Approx. 17.64 lbs
Weight notes	Actual weight may vary depending on configuration	Actual weight may vary depending on configuration
Operating ambient temperature	10 - 35 °C (50 - 95 °F)	10 - 35 °C (50 - 95 °F)
Operating relative humidity	5 - 85 % (relative humidity)	5 - 85 % (relative humidity)
Compliance		
Product	ESPRIMO D6011	ESPRIMO D6011 ESTARx
Model	DTG	DTG
Global	RoHS (Restriction of hazardous substances) Microsoft Operating Systems (HCT / HCL entry / WHQL)	RoHS (Restriction of hazardous substances) Microsoft Operating Systems (HCT / HCL entry / WHQL) ENERGY STAR® in progress
Compliance link	https://sp.ts.fujitsu.com/sites/certificates	
Additional software		
Additional software (pre-installed)	Adobe® Reader® (pdf reader) McAfee® LiveSafe™ (provides award-winning antivirus protection for your PC and much more. 30 days trial pre-installed) Microsoft® Office 30 days trial	Adobe® Reader® (pdf reader) McAfee® LiveSafe™ (provides award-winning antivirus protection for your PC and much more. 30 days trial pre-installed) Microsoft® Office 30 days trial
Additional software (optional)	Recovery DVD for Windows® Drivers & Utilities DVD (DUDVD) 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.)	Recovery DVD for Windows® Drivers & Utilities DVD (DUDVD) 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.)
Security		
Physical security	Kensington Lock support Eye for padlock	Kensington Lock support Eye for padlock
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) AuthConductor™ Client Basic (secure authentication solution)	User and supervisor BIOS password Hard disk password Access protection via external Smartcard reader (optional) AuthConductor™ Client Basic (secure authentication solution)

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Manageability		
Manageability technology	DeskUpdate Driver management PXE 2.1 Boot code Wake up from S5 (off mode) WoL (Wake on LAN)	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 Client DeskView Instant BIOS Management
DeskView components	BIOS Management incl. Security Inventory Management Driver Management Alarm Management	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)	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)
Miscellaneous		
	USB keyboards Keyboard on with any key (USB) Thermal management Internal dust filter (optional)	USB keyboards Keyboard on with any key (USB) Thermal management Internal dust filter (optional)
Packaging information		
Packaging dimension (mm)	504 x 310 x 440 mm	504 x 310 x 440 mm
Packaging dimension (inch)	19.84 x 12.2 x 17.32 inch	19.84 x 12.2 x 17.32 inch
Max. quantity / pallet	24	24
Material - weight (g) carton	1,144 g	1,144 g
Material - weight (lbs) carton	2.52 lbs	2.52 lbs
Packaging notes	Bulk packaging for projects (optional)	Bulk packaging for projects (optional)
Warranty		
Warranty terms & conditions	www.fujitsu.com/hk/microsite/warranty/	

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More information

Fujitsu OPTIMIZATION solutions

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

hk.fujitsu.com/pc

Software

www.fujitsu.com/software/

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More information

To learn more about Fujitsu Desktop ESPRIMO D6011, please contact your Fujitsu sales representative, Fujitsu Business partner, or visit our website.

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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Specification disclaimers

1. Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. 2. GB = 1 billion bytes. TB = 1 trillion bytes, when referring to hard disk drive capacity. Accessible capacity may vary, also depending on used software. Up to 20 GB of HDD space is reserved for system recovery. 3. Shared memory depending on main memory size and operating system.

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Last Update: 1st September 2022