

# 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









# Specification

	ESPRIMO D6011	ESPRIMO D6011 ESTARx
Processor	Intel® Core™ i7-10700 processor (8 Cores / 16 Threads, Intel® Core™ i5-10600 processor (6 Cores / 12 Threads, Intel® Core™ i5-10505 processor (6 Cores / 12 Threads, Intel® Core™ i5-10400 processor (6 Cores / 12 Threads, Intel® Core™ i3-10105 processor (4 Cores / 8 Threads, 3 *with Intel® Turbo Boost Technology 2.0 (clock speed a other variables)  **with Intel® Turbo Boost Max Technology 3.0 (clock s and other variables)	3.30 GHz, 12 MB, Intel® UHD Graphics 630)* 3.20 GHz, 12 MB, Intel® UHD Graphics 630)* 2.90 GHz, 12 MB, Intel® UHD Graphics 630)* 3.70 GHz, 6 MB, Intel® UHD Graphics 630)*
Operating systems		
Operating system pre-installed (optional)	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
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



## 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	Dual channel support
	For dual channel performance, 2 memory modules	For dual channel performance, 2 memory modules
	have to be ordered. Capacity per channel has to be	have to be ordered. Capacity per channel has to be
	the same. 3,200 MHz may be clocked down to 2,400	the same. 3,200 MHz may be clocked down to 2,400
	MHz depending on processor, memory configuration,	MHz depending on processor, memory configuration,
	and memory type	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	AMI Aptio V
	UEFI Specification 2.6	UEFI Specification 2.6
BIOS features	BIOS Flash EPROM update by software	BIOS Flash EPROM update by software
	Recovery BIOS	Recovery BIOS
	Unified Extensible Firmware Interface (UEFI)	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	Dual serial card PCIe x1 LP
Controller functions	AHCI	AHCI
Interfaces	7.010	7.010
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 USB front	4 2UCD 2.0	4
O2B HOHE	2x USB 2.0	2x USB 2.0
LICE	2x USB 3.2 Gen 1x1	2x USB 3.2 Gen 1x1
USB rear	2x USB 2.0	2x USB 2.0
ucp: .	2x USB 3.2 Gen 1x1	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	1x internal 3.5 inch bay (screwless) can be used via
·	adapter for 1x or 2x 2.5 inch drives (screwless)	adapter for 1x or 2x 2.5 inch drives (screwless)
	(optional);	(optional);
M.2-2280	5.25 inch bay: for slim optical disc drive only 1 x on mainboard for SSD NVMe (PCIe 3.0 x4; up to	5.25 inch bay: for slim optical disc drive only  1 x on mainboard for SSD NVMe (PCIe 3.0 x4; up to
N1.4-4400	32 Gbit/s)	32 Gbit/s)
	32 doid3j	32 G01G3



1 x (150 mm / 5.91 inch)	1 x (150 mm / 5.91 inch)
,	,
Intel® UHD Graphics 630	Intel® UHD Graphics 630
Shared memory depending on main memory and	Shared memory depending on main memory and
operating system	operating system
	Up to 4,096 x 2,304 pixel
Support for up to three independent displays	Support for up to three independent displays
DirectX® 12	DirectX® 12
HDCP support OpenCL™ 2.1	HDCP support OpenCL™ 2.1
OpenGL® 4.5	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)
	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	system
Resolution (color depth up to 32 Bit/pixel) For TFT we	Resolution (color depth up to 32 Bit/pixel) For TFT we
recommend using 60 Hz	recommend using 60 Hz
, , ,	Power supply efficiency in % at 10% / 20% / 50% /
100% load 80Plus GOLD:	100% load 80Plus GOLD:
For 230 V; 87 / 90 / 92 / 91	For 230 V; 87 / 90 / 92 / 91
For 115 V; 86 / 89 / 91 / 88	For 115 V; 86 / 89 / 91 / 88
80Plus PLATINUM:	80Plus PLATINUM:
For 230 V: 88 / 92 / 94 / 93	For 230 V; 88 / 92 / 94 / 93
•	For 115 V; 87 / 91 / 92 / 91
	100 V - 240 V
	50 Hz – 60 Hz
90 V – 264 V	90 V - 264 V
47 Hz – 63 Hz	47 Hz - 63 Hz
	GOLD: 280 W; PLATINUM: 300 W
GOLD: 280 W; PLATINUM: 300 W	4025, 200 117 2 111101111 500 11
Active	Active
Active Switched for PLATINUM power supply	Active Switched for PLATINUM power supply
Active	Active
Active Switched for PLATINUM power supply See white paper Energy Consumption	Active Switched for PLATINUM power supply  See white paper Energy Consumption
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Active Switched for PLATINUM power supply  See white paper Energy Consumption  According to ISO 7779:2010, ECMA-74 A-weighted sound power level Lwad (in B) /	Active Switched for PLATINUM power supply  See white paper Energy Consumption  According to ISO 7779:2010, ECMA-74 A-weighted sound power level Lwad (in B) /
Active Switched for PLATINUM power supply  See white paper Energy Consumption  According to ISO 7779:2010, ECMA-74  A-weighted sound power level Lwad (in B) / Workplace related	Active Switched for PLATINUM power supply  See white paper Energy Consumption  According to ISO 7779:2010, ECMA-74  A-weighted sound power level Lwad (in B) / Workplace related
Active Switched for PLATINUM power supply  See white paper Energy Consumption  According to ISO 7779:2010, ECMA-74  A-weighted sound power level Lwad (in B) / Workplace related  A-weighted sound pressure level LpAm (in dB(A))	Active Switched for PLATINUM power supply  See white paper Energy Consumption  According to ISO 7779:2010, ECMA-74  A-weighted sound power level Lwad (in B) / Workplace related  A-weighted sound pressure level LpAm (in dB(A))
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Active Switched for PLATINUM power supply  See white paper Energy Consumption  According to ISO 7779:2010, ECMA-74  A-weighted sound power level Lwad (in B) / Workplace related A-weighted sound pressure level LpAm (in dB(A)) 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: 3.2 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: 3.5 B / 12 dB(A) Bystander; 24 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)	Active Switched for PLATINUM power supply  See white paper Energy Consumption  According to ISO 7779:2010, ECMA-74  A-weighted sound power level Lwad (in B) / Workplace related A-weighted sound pressure level LpAm (in dB(A))  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 (SSD M.2)  For GOLD 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;  For PLATINUM PSU: 3.5 B / 21 dB(A) Bystander; 21 dB(A) Operator position (SSD M.2)
Active Switched for PLATINUM power supply  See white paper Energy Consumption  According to ISO 7779:2010, ECMA-74  A-weighted sound power level Lwad (in B) / Workplace related A-weighted sound pressure level LpAm (in dB(A)) 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: 3.2 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: 3.5 B / 12 dB(A) Bystander; 24 dB(A) Operator position (3.5 inch HDD) For PLATINUM PSU: 3.2 B / 19 dB(A) Bystander;	Active Switched for PLATINUM power supply  See white paper Energy Consumption  According to ISO 7779:2010, ECMA-74  A-weighted sound power level Lwad (in B) / Workplace related A-weighted sound pressure level LpAm (in dB(A))  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 (SSD M.2)  For GOLD 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;  For PLATINUM PSU: 3.5 B / 22 dB(A) Bystander;
	operating system  Up to 4,096 x 2,304 pixel  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)  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  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  100 V - 240 V  50 Hz - 60 Hz  90 V - 264 V  47 Hz - 63 Hz



Standard noise operation mode: ODD	For PLATINUM PSU:	For PLATINUM PSU:
load	4.5 B / 31 dB(A) Bystander;	4.5 B / 31 dB(A) Bystander;
	35 dB(A) Operator position (SSD M.2)	35 dB(A) Operator position (SSD M.2)
	For GOLD PSU:	For GOLD PSU:
	4.4 B / 30 dB(A) Bystander; 34 dB(A) Operator position (3.5 inch HDD)	4.4 B / 30 dB(A) Bystander;
Standard noise operation mode: Office	For PLATINUM PSU:	For PLATINUM PSU:
applications 2.0	3.2 B / 18 dB(A) Bystander;	3.2 B / 18 dB(A) Bystander;
	21 dB(A) Operator position (SSD M.2)	21 dB(A) Operator position (SSD M.2)
	For GOLD PSU:	For GOLD PSU:
	3.3 B / 20 dB(A) Bystander; 21 dB(A) Operator position (3.5 inch HDD)	3.3 B / 20 dB(A) Bystander;
Dimensions / Weight / Environmental		
Dimensions (W x D x H)	314 x 296 x 89 mm	314 x 296 x 89 mm
Occastica casitica	12.36 x 11.65 x 3.51 inch	12.36 x 11.65 x 3.51 inch
Operating position Weight	Horizontal / vertical (optional, feet needed) Approx. 8 kg	Horizontal / vertical (optional, feet needed) Approx. 8 kg
Weight (lbs)	Approx. 6 kg Approx. 17.64 lbs	Approx. 6 kg Approx. 17.64 lbs
Weight notes	Approx. 17.04 ros  Actual weight may vary depending on configuration	Approx. 17.64 lbs  Actual weight may vary depending on configuration
Operating ambient temperature	10 - 35 °C (50 - 95 °F)	10 - 35 °C (50 - 95 °F)
Operating ambient temperature  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)	RoHS (Restriction of hazardous substances)
	Microsoft Operating Systems (HCT / HCL entry /	Microsoft Operating Systems (HCT / HCL entry /
	WHQL)	WHQL)
		ENERGY STAR® in progress
Compliance link	https://sp.ts.fujitsu.com/sites/certificates	
Additional software		
Additional software (pre-installed)	Adobe® Reader® (pdf reader)	Adobe® Reader® (pdf reader)
	McAfee® LiveSafe™ (provides award-winning	McAfee® LiveSafe™ (provides award-winning
	antivirus protection for your PC and much more. 30	antivirus protection for your PC and much more. 30
	days trial pre-installed)	days trial pre-installed)
	Microsoft® Office 30 days trial	Microsoft® Office 30 days trial
Additional software (optional)	Recovery DVD for Windows®	Recovery DVD for Windows®
	Drivers & Utilities DVD (DUDVD)	Drivers & Utilities DVD (DUDVD)
	CyberLink PowerDVD DVD (playback software for DVD)	CyberLink PowerDVD DVD (playback software for DVD)
	Nero Essentials XL	Nero Essentials XL
	Microsoft® Office Professional 2019	Microsoft® Office Professional 2019
	Microsoft® Office Home and Business 2019	Microsoft® Office Home and Business 2019
	(A Microsoft Account is required to activate each copy	(A Microsoft Account is required to activate each copy
	of these products. For purchase and activation only in	of these products. For purchase and activation only in
	the region in which it was acquired.)	the region in which it was acquired.)
Security Physical security	Kensington Lock support	Kensington Lock support
. Hysical security	Eye for padlock	Eye for padlock
System and BIOS security	Embedded security (TPM 2.0)	Embedded security (TPM 2.0)
	EraseDisk	EraseDisk
	Credential Guard Ready and Device Guard Capable	Credential Guard Ready and Device Guard Capable
	(requires 8 GB or more system RAM and SSD PCIe	(requires 8 GB or more system RAM and SSD PCIe
	NVMe)	NVMe)
	Modern Standby ready (for configurations with NVMe SSD and w/o PCIe cards)	Modern Standby ready (for configurations with NVMe
		SSD and w/o PCIe cards)
		Write protect option for the Flash FDROM
	Write protect option for the Flash EPROM	Write protect option for the Flash EPROM Control of all USB interfaces
	Write protect option for the Flash EPROM Control of all USB interfaces External USB ports can be disabled separately	Control of all USB interfaces External USB ports can be disabled separately
User security	Write protect option for the Flash EPROM Control of all USB interfaces External USB ports can be disabled separately Control of external interfaces	Control of all USB interfaces External USB ports can be disabled separately Control of external interfaces
User security	Write protect option for the Flash EPROM Control of all USB interfaces External USB ports can be disabled separately Control of external interfaces User and supervisor BIOS password	Control of all USB interfaces External USB ports can be disabled separately Control of external interfaces User and supervisor BIOS password
User security	Write protect option for the Flash EPROM Control of all USB interfaces External USB ports can be disabled separately Control of external interfaces User and supervisor BIOS password Hard disk password	Control of all USB interfaces External USB ports can be disabled separately Control of external interfaces User and supervisor BIOS password Hard disk password
User security	Write protect option for the Flash EPROM Control of all USB interfaces External USB ports can be disabled separately Control of external interfaces User and supervisor BIOS password	Control of all USB interfaces External USB ports can be disabled separately Control of external interfaces User and supervisor BIOS password
User security	Write protect option for the Flash EPROM Control of all USB interfaces External USB ports can be disabled separately Control of external interfaces User and supervisor BIOS password Hard disk password Access protection via external Smartcard reader	Control of all USB interfaces External USB ports can be disabled separately Control of external interfaces User and supervisor BIOS password Hard disk password Access protection via external Smartcard reader



Manageability		
Manageability technology	DeskUpdate Driver management	DeskUpdate Driver management
	PXE 2.1 Boot code	PXE 2.1 Boot code
	Wake up from S5 (off mode)	Wake up from S5 (off mode)
	WoL (Wake on LAN)	WoL (Wake on LAN)
Manageability software	DeskView Client	DeskView Client
	DeskView Instant BIOS Management	DeskView Instant BIOS Management
DeskView components	BIOS Management incl. Security	BIOS Management incl. Security
	Inventory Management	Inventory Management
	Driver Management	Driver Management
	Alarm Management	Alarm Management
Supported standards	DMI (Desktop Management Interface)	DMI (Desktop Management Interface)
	SMBIOS (System Management BIOS)	SMBIOS (System Management BIOS)
	PXE (Preboot Execution Environment)	PXE (Preboot Execution Environment)
	WMI (Windows Management Instrumentation)	WMI (Windows Management Instrumentation)
	WBEM (Web Based Enterprise Management)	WBEM (Web Based Enterprise Management)
	CIM (Common Information Model)	CIM (Common Information Model)
Miscellaneous		
	USB keyboards	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)	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/	

# **FUJITSU**

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In addition to Fujitsu Desktop ESPRIMO D6011, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, knowhow and worldwide partnerships.

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Please find further information at http://www.fujitsu.com/global/about/environment/



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