

Fujitsu recommends Windows 11 Pro.

# Data Sheet

## FUJITSU Desktop ESPRIMO P9011

### The workhorse for your desk

The FUJITSU ESPRIMO P9011 Desktop PC is the workhorse you need for your desk with high performance, high security, flexible graphics option and best-in-class connectivity. The latest Intel chipset with 10th or the latest 11th Gen Intel® Core™ processor guarantees increased performance and great expandability options due to support of special purpose cards, increased encode/decode capabilities and broad variety of interface options makes this PC ready for your future high-end computing needs.

#### Powerful performance for demanding applications

Powerful performance, proven technology and long lasting supply ensures smooth sailing of demanding business applications

- Superior Intel® Q570 chipset with 10th or the latest 11th generation Intel® Core™ processor family

#### Superior system management

Simple system administration for complex IT infrastructures

- Based on the stable Intel® vPro™ technology platform (depending on processor) and DeskView manageability suite

#### Best-in-Class connectivity

Be flexible and stay productive in a hyper-connected world

- Flexible graphics connector options: VGA, DVI-D, HDMI, Type-C, DP
- Type C option supporting 60 Watt output power to run a display w/o extra power supply
- Legacy connectors as option: PS/2, serial port

#### High security with integrated options

Designed to protect data and hardware components against manipulation and theft

- Cable cover in addition to existing Smartcard reader
- Integrated Cabinet lock with Master key option
- Hole for pad lock and Kensington as standard for security

#### Low Power Consumption

Reduced environmental impact and reduced energy bills

- "Modern Standby" mode prepared to reduce energy consumption while still being connected



# Components

	ESPRIMO P9011	ESPRIMO P9011 ESTAR
<b>Processor</b>	Intel® Core™ i9-11900 processor (8 Cores / 16 Threads, 2.5 GHz, 16 MB, Intel® UHD Graphics 750) ** Intel® Core™ i7-11700 processor (8 Cores / 16 Threads, 2.5 GHz, 16 MB, Intel® UHD Graphics 750) ** Intel® Core™ i5-11500 processor (6 Cores / 12 Threads, 2.70 GHz, 12 MB, Intel® UHD Graphics 750) * Intel® Core™ i3-10105 processor (4 Cores / 8 Threads, 3.70 GHz, 6 MB, Intel® UHD Graphics 630) *	Intel® vPro® Platform Logo with Intel® Core™ i5 10505, Intel® Core™ i5-11500, Intel® Core™ i5-11600, Intel® Core™ i7 and Intel® Core™ i9 processors *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 system preinstalled		
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 compatible	Windows 11 Windows 11 Pro. Fujitsu recommends Windows 11 Pro. FREE Upgrade to Windows 11 when available. The Windows 11 upgrade will be delivered to qualifying devices late 2021 into 2022. Timing varies by device. Certain features require specific hardware (see <a href="https://www.microsoft.com/windows/windows-11-specifications">https://www.microsoft.com/windows/windows-11-specifications</a> ). Commercial customers should check with their IT department for their rollout plan.	Windows 11 Windows 11 Pro. Fujitsu recommends Windows 11 Pro. FREE Upgrade to Windows 11 when available. The Windows 11 upgrade will be delivered to qualifying devices late 2021 into 2022. Timing varies by device. Certain features require specific hardware (see <a href="https://www.microsoft.com/windows/windows-11-specifications">https://www.microsoft.com/windows/windows-11-specifications</a> ). Commercial customers should check with their IT department for their rollout plan.
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 <a href="http://support.ts.fujitsu.com">http://support.ts.fujitsu.com</a> .	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 <a href="http://support.ts.fujitsu.com">http://support.ts.fujitsu.com</a> .
	ESPRIMO P9011	ESPRIMO P9011 ESTAR
<b>Memory modules</b>	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 P9011	ESPRIMO P9011 ESTAR
<b>Graphics</b>	Entry 3D: NVIDIA® T400, 2 GB, PCIe x16, 3 x miniDP Entry 3D: NVIDIA® Quadro® P400 , 2 GB, PCIe x16, 3 x miniDP Entry 3D: NVIDIA® GeForce® GTX 1650 Others: MiniDP to DP Adapter Cable	Entry 3D: NVIDIA® T400, 2 GB, PCIe x16, 3 x miniDP Entry 3D: NVIDIA® Quadro® P400 , 2 GB, PCIe x16, 3 x miniDP Others: MiniDP to DP Adapter Cable
	ESPRIMO P9011	ESPRIMO P9011 ESTAR
<b>Mass storage 3.5 inch size</b>	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
<b>Mass Storage M.2 technology</b>	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)	
Optical drive	ESPRIMO P9011	ESPRIMO P9011 ESTAR
	DVD Super Multi, SATA DVD Super Multi ultra slim (tray), SATA BD Triple Writer SATA ultra slim (tray), SATA MultiCard Reader 15in1 USB 3.0 3.5", USB 3.0	DVD Super Multi ultra slim (tray), SATA BD Triple Writer SATA ultra slim (tray), SATA MultiCard Reader 15in1 USB 3.0 3.5", USB 3.0
Interfaces add on cards / components	ESPRIMO P9011	ESPRIMO P9011 ESTAR
	Intel® WI-Fi 6 AX210 and Bluetooth 5.2 vPro, SRD 5.8GHz (dedicated regions only) Gigabit Ethernet PCIe x1 Dual serial card PCIe x1	Intel® WI-Fi 6 AX210 and Bluetooth 5.2 vPro, SRD 5.8GHz (dedicated regions only)
LAN Notes	System provides one connector to be used for LAN or graphics Optional LAN connectors: LAN 2.5GB Ethernet (Intel 225LM)	System provides one connector to be used for LAN or graphics Optional LAN connectors: LAN 2.5GB Ethernet (Intel 225LM)
	ESPRIMO P9011	ESPRIMO P9011 ESTAR
Component notes	The listed product components and optional functions are not available in all region/countries optional graphic connectors HDMI and DP will be available in 10/2021	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 optional graphic connectors HDMI and DP will be available in 10/2021
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## Base unit

Base unit	ESPRIMO P9011	ESPRIMO P9011 ESTAR
Mainboard		
Mainboard type	D3922	
Formfactor	proprietary	
Chipset	Intel® Q570	
Processor socket	LGA 1200	
Processor quantity maximum	1	
Supported capacity RAM (max.)	128 GB	
Memory slots	4 DIMM (DDR4)	
Memory frequency	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. 3200 MHz may be clocked down to 2933/2400MHz depending on processor and memory configuration	
LAN	10/100/1,000 MBit/s Intel® I219LM	
Integrated WLAN	optional; Intel® Wi-Fi 6 AX210 (2x2/160) Gig+ and Bluetooth 5.2	
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 ALC897	
Audio features	Internal speaker supports audio playback, High Definition audio, 5.1 surround sound	
I/O controller on board		
Serial ATA total	5	

**I/O controller on board**

thereof SATA III	5
Controller functions	Serial ATA III (6 Gbit) NCQ AHCI RAID 0/1/5/10

**Interfaces**

Audio: line-in	1
Audio: line-out	1
Front audio: headset	1
USB 2.0 total	4
USB 3.2 Gen1 (5 Gbps) total	3
USB 3.2 Gen2 (10 Gbps) total	4 and 1 optional
USB 3.2 Gen2x2 (20 Gbps) total	1
USB front	2x USB 2.0 2x USB 3.2 Gen 2 1x USB 3.2 Gen 2x2 Type-C (supports up to 15W)
USB rear	2x USB 2.0 2x USB 3.2 Gen 1 2x USB 3.2 Gen 2 optional: additional 1x USB 3.2 Gen 2 Type-C (supports DisplayPort 1.4 and power delivery (PD) up to 15W or 60W (occupies PCIe x16 slot)
USB internal	1x USB 2.0 or 1x USB 3.2 (Gen 1) Type A
VGA	optional
DisplayPort	2
DVI	optional (DVI-D)
Serial (RS-232)	1 (optional serial port (9pin, 16 byte FIFO, 16550 compatible))
Mouse / Keyboard (PS/2)	2 (optional)
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	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	2 x on mainboard for SSD NVMe (1x PCIe 4.0 x4; up to 64Gbit/s and 1x PCIe 3.0 x4; up to 32Gbit/s)

**Slots**

PCI-Express 3.0 x1	1 x (110 mm / 4.33 inch) Full height
PCI-Express 3.0 x4 (mech. x16)	1 x (270 mm / 10.63 inch)
PCI-Express 4.0 x16	1 x (270 mm / 10.63 inch) Full height
M.2-2230	on mainboard for WLAN module

**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 (VGA)	Up to 1,920 x 1,080 pixel
TFT resolution (DVI)	up to 1,920 x 1,200 pixel
TFT resolution (DisplayPort)	Up to 4,096 x 2,304 pixel

**Graphics on board**

TFT resolution (HDMI)	up to 4,096 x 2,160 @ 60 Hz	
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) DVI-D interface supports audio output if connected to the HDMI interface of a display via suitable adapter cables (not included) System provides one connector to be used for LAN or graphics Optional graphics connectors: HDMI™ 2.0b DisplayPort™ 1.4a DVI-D VGA USB Type-C™ (supports DisplayPort™ 1.4 and power delivery (PD) up to 15W) USB Type-C™ (supports DisplayPort™ 1.4 and power delivery (PD) up to 60W. Occupies PCIe x16 slot)	
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 P9011	ESPRIMO P9011 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 P9011	ESPRIMO P9011 ESTAR

**Power consumption**

Power consumption note	See white paper Energy Consumption	See white paper Energy Consumption
Link to Energy White Paper	<a href="https://docs.ts.fujitsu.com/dl.aspx?id=4f9c69aa-85ad-46f8-b071-d9993aaaa16f">https://docs.ts.fujitsu.com/dl.aspx?id=4f9c69aa-85ad-46f8-b071-d9993aaaa16f</a>	

**Noise emission**

Related Processors for noise	Intel® Core™ i5-11500 processor	Intel® Core™ i5-11500 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 L <sub>wad</sub> (in B) / Workplace related A-weighted sound pressure level L <sub>pAm</sub> (in dB(A))	A-weighted sound power level L <sub>wad</sub> (in B) / Workplace related A-weighted sound pressure level L <sub>pAm</sub> (in dB(A))
Standard noise operation mode: CPU 50% load	tbd	tbd
Standard noise operation mode: HDD load	tbd	tbd

**Noise emission**

Standard noise operation mode: Idle mode	tbd	tbd
Standard noise operation mode: ODD load	tbd	tbd
Standard noise operation mode: Office applications 2.0	tbd	tbd

**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)

**Compliance**

Product	ESPRIMO P9011	ESPRIMO P9011 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) Microsoft Secured-core PC certification (for selected configurations)	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) Microsoft Secured-core PC certification (for selected configurations) ENERGY STAR® 8.0 EPEAT® Silver (dedicated regions) TCO Certified 8.0
Compliance link	<a href="https://sp.ts.fujitsu.com/sites/certificates">https://sp.ts.fujitsu.com/sites/certificates</a>	

**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 P9011	ESPRIMO P9011 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)
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**Security**

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) Intrusion switch (optional) WoL (Wake on LAN) iAMT 15.0 (depending on processor)	
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 link	<a href="http://www.fujitsu.com/fts/manageability">http://www.fujitsu.com/fts/manageability</a>	

**Miscellaneous**

	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	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
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**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	3 years
Warranty type	Bring-In / Onsite Service (depending on country)
Warranty Terms & Conditions	<a href="http://www.fujitsu.com/warranty">http://www.fujitsu.com/warranty</a>
Product Support Services - the perfect extension	
Recommended Service	9x5, Onsite Response Time: Next Business Day
Spare Parts availability	5 years
Service Weblink	<a href="http://www.fujitsu.com/emeia/products/product-support-services/">http://www.fujitsu.com/emeia/products/product-support-services/</a>

## Recommended Accessories



# More information

## Fujitsu products, solutions & services

In addition to FUJITSU Desktop ESPRIMO P9011, 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/](http://www.fujitsu.com/global/products/computing/)

### Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

## More information

Learn more about FUJITSU Desktop ESPRIMO P9011, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.  
[www.fujitsu.com/emeia/ESPRIMO](http://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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