FUJITSU

Fujitsu recommends Windows 11 Pro.

Data Sheet
Fujitsu Desktop ESPRIMO D9011

New space saving Small form factor PC with high efficiency and premier manageability

The FUJITSU ESPRIMO D9011 Desktop is a high performance, secure PC with superior manageability, expandability, and best-in-class connectivity. The 80Plus GOLD and 80Plus PLATINUM power supply helps to reduce environmental impact. The USB Type-C and flexible graphics options offer great connectivity. Faster operations, a smaller foot print in vertical position enhances space saving to create the perfect working desk.

Latest Intel® chipset technology with higher memory speed
High performance ensures faster operations and lower system response time
■ Superior Intel® Q570 chipset with higher memory frequency of 3,200 MT/s
■ The stable Intel® vPro™ technology platform (depending on processor)

New housing and ultimate expandability
Easily customizable and highly expandable business desktop PC
■ 2x low profile (LP) or 1x LP/ 1x full height (Riser) via BTO
■ Space saving in width and depth with new 8.3 liters volume

Best-in-Class connectivity
Be flexible and stay productive in a hyper-connected world
■ A support of new USB Type-C in front
■ Flexible graphics options (VGA, DVI-D, HDMI, Type-C, DP)
■ USB Type-C support of 60 W (optional to power a display)
■ Legacy PS2 connectors as option

High security with integrated options
Designed to protect data and hardware components against manipulation and theft
■ Cable cover in addition to existing Smartcard reader, EraseDisk software
■ Integrated cabinet lock with master key option
■ Hole for pad lock and Kensington as standard for security

Low power consumption, easy serviceability and usability
Reduced environmental impact and reduced energy bills and features designed for easy access, control and use of the system
■ 80Plus GOLD and 80Plus PLATINUM power supply efficiency with monitor outlet
■ Tool-less access to components, easy change and Screw-less add on cards

ENERGY STAR · FREE UPGRADE Windows 11 · TCO CERTIFIED

Components

	ESPRIMO D9011	ESPRIMO D9011 ESTAR
Processor	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™ 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 systems		
Operating system pre-installed	Windows 11 Home	
	Windows 10 Pro. Fujitsu recommends Windows 11 Pro for business.	
	Windows 11 Pro. Fujitsu recommends Windows 11 Pro for business.	
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	Windows 11 requires for first device setup:	
	- Internet connectivity	
	- Microsoft account for Home editions or organizational account (e.g. ADD) for Pro editions	
	After product end of life, Fujitsu continues to test and support new Windows releases for max. 5 years, depending on extension of hardware services through warranty top ups.	
	For more details please visit our Fujitsu Service Statement under https://support.ts.fujitsu.com/IndexProdSupport. asp?lng=com&OpenTab=	

	ESPRIMO D9011	ESPRIMO D9011 ESTAR
Memory modules	32 GB (1 module(s) 32 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	

	ESPRIMO D9011	ESPRIMO D9011 ESTAR
Graphics	Entry 3D: NVIDIA® T400, 2 GB, PCIe x16, 3 x miniDP	Entry 3D: NVIDIA® T400, 2 GB, PCIe x16, 3 x miniDP
	Entry 3D: NVIDIA® GeForce® GTX 1650, 4 GB, PCIe x16	Others: MiniDP to DP Adapter Cable
	Entry 3D: AMD Radeon™ Pro WX 3200, 4 GB, PCIe x16, 4 x miniDP	
	Others: MiniDP to DP Adapter Cable	

	ESPRIMO D9011	ESPRIMO D9011 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	
Mass Storage M.2 technology	SSD PCIe, 1024 GB M.2 NVMe module (Gen4), SED	
	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 D9011	ESPRIMO D9011 ESTAR
Optical drive	DVD Super Multi ultra slim (tray), SATA	BD Triple Writer SATA ultra slim (tray), SATA
	BD Triple Writer SATA ultra slim (tray), SATA	DVD Super Multi ultra slim (tray), SATA
	SD Card reader, USB 3.0	SD Card reader, USB 3.0

	ESPRIMO D9011	ESPRIMO D9011 ESTAR
Interfaces add on cards / components	Parallel Card (1 Port) Intel® WI-FI 6 AX210 and Bluetooth 5.2 vPro, SRD 5.8GHz (dedicated regions only) Dual serial card PCIe x1 LP 2.5 Gigabit Ethernet 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)	
	ESPRIMO D9011	ESPRIMO D9011 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 D9011	ESPRIMO D9011 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 2933/2400 MHz 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	
thereof SATA III	5	
Controller functions	Serial ATA III (6 Gbit) NCQ AHCI RAID 0/1/5/10	
Interfaces		
Audio: line-in	1	1
Audio: line-out	1	1
Front audio: headset	1	1

Interfaces

USB 2.0 total	4	4
USB 3.2 Gen1 (5 Gbps) total	3	3
USB 3.2 Gen2 (10 Gbps) total	4 and 1 optional	4 and 1 optional
USB 3.2 Gen2x2 (20 Gbps) total	1	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)	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)	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	1x USB 2.0 or 1x USB 3.2 (Gen 1) Type A
VGA	optional	optional
DisplayPort	2	2
DVI	optional (DVI-D)	optional (DVI-D)
Serial (RS-232)	1 (optional serial port (9pin, 16 byte FIFO, 16550 compatible))	1 (optional serial port (9pin, 16 byte FIFO, 16550 compatible))
Mouse / Keyboard (PS/2)	2 (optional)	2 (optional)
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

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	2 x on mainboard for SSD NVMe: 1x PCIe 4.0 x4; up to 64Gbit/s; only with 11th generation CPUs 1x PCIe 3.0 x4; up to 32Gbit/s

Slots

PCI-Express 3.0 x4 (mech. x16)	1 x (150 mm / 5.91 inch)
PCI-Express 4.0 x16	1 x (210 mm / 8.27 inch) Low profile or full height (via Riser card), optional
M.2-2230	on mainboard for WLAN/Bluetooth 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
TFT resolution (HDMI)	up to 4,096 x 2,160 @ 60 Hz

Graphics on board

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 D9011	ESPRIMO D9011 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 D9011	ESPRIMO D9011 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=7b3b15f3-54db-4f64-9351-4f799a8b09db	

Noise emission

Related Processors for noise	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 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: 3.1 B / 18 dB(A); 19 dB(A) (SSD M.2)
	GOLD PSU: 3.3 B / 20 dB(A); 21 dB(A) (3.5" HDD)
Standard noise operation mode: HDD load	Bystander; Operator position
	PLATINUM PSU: 3.1 B / 18 dB(A); 19 dB(A) (SSD M.2)
	GOLD PSU: 3.4 B / 20 dB(A); 21 dB(A) (3.5" HDD)

Noise emission

Standard noise operation mode: Idle mode	Bystander; Operator position PLATINUM PSU: 3.1 B / 18 dB(A); 19 dB(A) (SSD M.2) GOLD PSU: 3.3 B / 20 dB(A); 21 dB(A) (3.5" HDD)
Standard noise operation mode: ODD load	Bystander; Operator position PLATINUM PSU: 4.5 B / 31 dB(A); 36 dB(A) (SSD M.2) GOLD PSU: 4.5 B / 31 dB(A); 36 dB(A) (3.5" HDD)
Standard noise operation mode: Office applications 2.0	Bystander; Operator position PLATINUM PSU: 3.1 B / 18 dB(A); 19 dB(A) (SSD M.2) GOLD PSU: 3.4 B / 20 dB(A); 21 dB(A) (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 D9011	ESPRIMO D9011 ESTAR
Model	DTG	
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 TCO Certified 9.0 EPEAT® Gold (dedicated regions)
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.)	
Additional software (notes)	Use of accompanying and/or additional Software is subject to proactive acceptance of the respective License Agreements /EULAs/ Subscription and support terms of the Software manufacturer as applicable for the relevant Software whether preinstalled or optional. The software may only be available bundled with a software support subscription which – depending on the Software - may be subject to separate remuneration.	
Base unit	ESPRIMO D9011	ESPRIMO D9011 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)

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
User Security	User and supervisor BIOS password Hard disk password Access protection via external SmartCard reader (optional) Access protection via internal SmartCard reader (optional)
Security Notes	The properties of the product provide a baseline for product security and therefore end-customer IT security. However, these properties are not sufficient on their own to protect the product from all existing threats, such as intrusion attempts, data exfiltration and other forms of cyberattacks. To customize security settings, please use the configuration options as available for the respective product. During operation, the IT security of this product is within the responsibility of the respective administrator/end-user of the product. Please note, that Fujitsu as a manufacturer does not make any policy prescriptions or advocacy statements regarding IT security best practices and/or general product operation.

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	https://www.fujitsu.com/global/products/computing/pc/manageability/

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 Internal dust filter (optional)

Packaging information

Packaging dimension (mm)	499 x 296 x 439 mm
Packaging dimension (inch)	19.65 x 11.65 x 17.28 inch
Max. quantity / pallet	24
Material - Weight (g) Carton	1117 g
Material - Weight (lbs) Carton	2.46 lbs
Material - Weight (g) EPS / PS	225 g
Material - Weight (lbs) EPS / PS	0.5 lbs
Material - Weight (g) PE	25 g
Material - Weight (lbs) PE	0.06 lbs
Packaging notes	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	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 - the perfect extension	
Recommended Service	9x5, Onsite Response Time: Next Business Day
Spare Parts availability	at least 5 years after shipment, for details see https://support.ts.fujitsu.com/
Service Weblink	http://www.fujitsu.com/emeia/products/product-support-services/

Recommended Accessories

Mouse M440 ECO BL Grey		Fujitsu Mouse M440 ECO BL Grey is made from 85% Plastic Consumer Recyclate (PCR) material and has a completely PVC free cable. The elegant M440 ECO BL Grey works on nearly every surface and follows all your hand movements smoothly and precisely. It features two main buttons and a scroll wheel providing comfortable computing to both right and left-handed users. Clicking noise is reduced by 90% due to silent keys.	Order Code: S26381-K450-L101
Keyboard KB521 ECO		Fujitsu's Keyboard KB521 ECO is the perfect contribution to Green IT. The keyboard is made out of 70% Post Consumer Recycling (PCR) material and comes with a PVC free USB cable. It offers first class comfort and ergonomics with smart features like 12 multi-function keys to provide you with fast access to your applications. The impressive modern design is spill resistant against small mishaps like the content of your coffee cup.	S26381-K523-L1** (**: country specific variation)
Keyboard KB521 ECO		Keyboard KB521 ECO is an eye-catching designer keyboard on your desk which is designed to fulfill green aspects. With the slim, ergonomic form factor and Power On key, Keyboard KB521 is the perfect partner for your sophisticated desktop PC. It is spill resistant to protect against the contents of your coffee cup, and has 12 multi-function keys to provide you the fast access to your applications.	S26381-K523-L1** (**: country specific variation)
Keyboard KB521 ECO		Keyboard KB521 ECO is an eye-catching designer keyboard on your desk which is designed to fulfill green aspects. With the slim, ergonomic form factor and Power On key, Keyboard KB521 is the perfect partner for your sophisticated desktop PC. It is spill resistant to protect against the contents of your coffee cup, and has 12 multi-function keys to provide you the fast access to your applications.	

More information

Fujitsu products, solutions & services

In addition to Fujitsu Desktop ESPRIMO D9011, 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 D9011, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/emeia/products/computing/pc/desktops/

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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Disclaimer

Please note that the data sheet reflects the technical specification with the maximum selection of components for the named system and not the detailed scope of delivery. The scope of delivery is defined by the selection of components at the time of ordering.
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The overall product has been designed and manufactured for general office use, regular personal use and ordinary industrial use.