

Fujitsu recommends Windows 10 Pro for business.

Data Sheet

FUJITSU Desktop ESPRIMO G5011

Mini, Mighty | Takes up your challenges, not your space

The FUJITSU ESPRIMO G5011 is a stylish mini PC which offers desktop functionality in an ultra-compact, space-saving design. Latest Intel chipset along with 10th or the latest 11th Gen Intel® Core™ processors provides the performance for daily office needs. It supports flexible mounting options – attach to displays, wall mount, under table mount. Its compact size and wide range of interfaces make it an ideal device where space saving is critical for the business.

A stylish mini PC with ultra-compact design

Small footprint; energy and space-saving device for clean, clutter-free desk

- Fully equipped PC with a volume of only ~0.86 liters
- Impressive performance/volume ratio and is easy to set up in minutes

Ultimate usability

Flexible mounting options and wide range of usage scenarios

- Can be used for horizontal or vertical operations and easy upgrade of major components
- VESA mount for attaching the PC to displays, stands or walls

Small yet grand

High performance in a small mini PC design

- Latest Intel chipset technology along with 10th or the latest 11th generation Intel® Core™ processor family
- Legacy support for standard mini PC interfaces- DisplayPort, HDMI

Perfect fit for modern offices and workplaces of tomorrow

The PC which can transform your workplace for the next generation

- Supports new workplace scenarios with a single Type-C connection
- Type-C Docking port for future workplace and AiO-like usage

Feature-rich and energy-efficient

Do a lot more with this mini-PC and also get lesser energy bill

- Improved energy efficiency
- Next generation INTEL integrated graphics
- Type-C connector with convenient front access to support modern peripherals like Type-C USB sticks or headsets



Components

	ESPRIMO G5011	ESPRIMO G5011 ESTAR
Processor	Intel® Core™ i7-11700T processor (8 Cores / 16 Threads, 1.40 GHz, 16 MB, Intel® UHD Graphics 750) ** Intel® Core™ i7-10700T processor (8 Cores / 16 Threads, 2.00 GHz, 16 MB, Intel® UHD Graphics 630) ** Intel® Core™ i5-11500T processor (6 Cores / 12 Threads, 1.50 GHz, 12 MB, Intel® UHD Graphics 750) * Intel® Core™ i5-10600T processor (6 Cores / 12 Threads, 2.40 GHz, 12 MB, Intel® UHD Graphics 630) * Intel® Core™ i5-10500T processor (6 Cores / 12 Threads, 2.30 GHz, 12 MB, Intel® UHD Graphics 630) * Intel® Core™ i5-10400T processor (6 Cores / 12 Threads, 2.00 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™ i7-11700T processor (8 Cores / 16 Threads, 1.40 GHz, 16 MB, Intel® UHD Graphics 750) ** Intel® Core™ i7-10700T processor (8 Cores / 16 Threads, 2.00 GHz, 16 MB, Intel® UHD Graphics 630) ** Intel® Core™ i5-11500T processor (6 Cores / 12 Threads, 1.50 GHz, 12 MB, Intel® UHD Graphics 750) * Intel® Core™ i5-10600T processor (6 Cores / 12 Threads, 2.40 GHz, 12 MB, Intel® UHD Graphics 630) * Intel® Core™ i5-10500T processor (6 Cores / 12 Threads, 2.30 GHz, 12 MB, Intel® UHD Graphics 630) * Intel® Core™ i5-10400T processor (6 Cores / 12 Threads, 2.00 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 Windows 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 Windows 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 G5011	ESPRIMO G5011 ESTAR
Memory modules	32 GB (module(s) 32 GB) DDR4, unbuffered, non-ECC, 3,200 MT/s, SO DIMM 16 GB (module(s) 16 GB) DDR4, unbuffered, non-ECC, 3,200 MT/s, SO DIMM 8 GB (module(s) 8 GB) DDR4, unbuffered, non-ECC, 3,200 MT/s, SO DIMM 4 GB (module(s) 4 GB) DDR4, unbuffered, non-ECC, 3,200 MT/s, SO DIMM	32 GB (module(s) 32 GB) DDR4, unbuffered, non-ECC, 3,200 MT/s, SO DIMM 16 GB (module(s) 16 GB) DDR4, unbuffered, non-ECC, 3,200 MT/s, SO DIMM 8 GB (module(s) 8 GB) DDR4, unbuffered, non-ECC, 3,200 MT/s, SO DIMM 4 GB (module(s) 4 GB) DDR4, unbuffered, non-ECC, 3,200 MT/s, SO DIMM
	ESPRIMO G5011	ESPRIMO G5011 ESTAR
Graphics		
	ESPRIMO G5011	ESPRIMO G5011 ESTAR
Mass storage 2.5 inch size	HDD SATA III, 5,400 rpm, 2000 GB, 2.5-inch	HDD SATA III, 5,400 rpm, 2000 GB, 2.5-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) 2.5-inch bay for devices with 7mm height	

	ESPRIMO G5011	ESPRIMO G5011 ESTAR
Optical drive		
	ESPRIMO G5011	ESPRIMO G5011 ESTAR
Interfaces add on cards / components	Intel® WI-Fi 6 AX210 and Bluetooth 5.2 vPro, SRD 5.8GHz (dedicated regions only)	Intel® WI-Fi 6 AX210 and Bluetooth 5.2 vPro, SRD 5.8GHz (dedicated regions only)
	ESPRIMO G5011	ESPRIMO G5011 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 G5011	ESPRIMO G5011 ESTAR
Mainboard		
Mainboard type	D3904	
Formfactor	proprietary	
Chipset	Intel® H510	
Processor socket	LGA 1200	
Processor quantity maximum	1	
Supported capacity RAM (max.)	64 GB	
Memory slots	2 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 Realtek RTL8111H	
Integrated WLAN	optional; WLAN 802.11ax/Wi-Fi 6 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 ALC623	
Audio features	Internal speaker supports audio playback, High Definition audio	
I/O controller on board		
Serial ATA total	1	
thereof SATA III	1	
Controller functions	Serial ATA III (6 Gbit) NCQ AHCI	
Interfaces		
Front audio: headset	1	
USB 2.0 total	3	
USB 3.2 Gen1 (5 Gbps) total	4	
USB front	1x USB 3.2 Gen 1 1x USB 3.2 Gen 1 Type-C (provides up to 15W)	

Interfaces

USB rear	3x USB 2.0 1x USB 3.2 Gen 1 1x USB 3.2 Gen 1 Type-C (supports DisplayPort 1.4 and incl. 60W power delivery sink support e.g. from a display)
VGA	optional: via external active adapter cable
DisplayPort	1
HDMI	1
Ethernet (RJ-45)	1
Interface Module notes	Anytime USB charge functionality, HDMI Ver. 1.4 (with 11th generation CPUs: Ver. 2.0)
Kensington Lock support	1

Input device / components

Input devices (optional)	Keyboard Mouse
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Drive bays

Drive bays total	1
2.5-inch internal bays	1
M.2-2280	1 x on mainboard for SSD NVMe (PCIe 3.0 x4; up to 32Gbit/s)
Mini PCI slots	
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 (DisplayPort)	Up to 4,096 x 2,304 pixel	
TFT resolution (HDMI)	up to 4,096 x 2,160	
Graphics features	Dual display support DirectX® 12 HDCP support OpenCL™ 2.1 OpenGL® 4.5 DisplayPort interface supports Ver. 1.4 incl. Multi-Stream Digital audio formats are supported, including Dolby Digital Plus (7.1 channels) USB Type-C™ (supports DisplayPort™ 1.4 and power delivery (PD) up to 15W)	
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 G5011	ESPRIMO G5011 ESTAR

Electrical values

Power efficiency note	power supply efficiency at 115/230V: 89% average efficiency	
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	65 W	
Base unit	ESPRIMO G5011	ESPRIMO G5011 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=9a164a82-6707-4511-849b-0f5bc28ba1ab	

Noise emission

Related Processors for noise	Intel® Core™ i5-10500T processor and 8GB, no ODD, Windows 10 (tower position)	Intel® Core™ i5-10500T processor and 8GB, no ODD, Windows 10 (tower position)
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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	3.1 B / 18 dB(A) Bystander; 20 dB(A) Operator position (SSD M.2)	3.1 B / 18 dB(A) Bystander; 20 dB(A) Operator position (SSD M.2)
Standard noise operation mode: HDD load	3.2 B / 20 dB(A) Bystander; 21 dB(A) Operator position (SSD M.2)	3.2 B / 20 dB(A) Bystander; 21 dB(A) Operator position (SSD M.2)
Standard noise operation mode: Idle mode	3.0 B / 17 dB(A) Bystander; 18 dB(A) Operator position (SSD M.2)	3.0 B / 17 dB(A) Bystander; 18 dB(A) Operator position (SSD M.2)
Standard noise operation mode: Office applications 2.0	3.0 B / 18 dB(A) Bystander; 19 dB(A) Operator position (SSD M.2)	3.0 B / 18 dB(A) Bystander; 19 dB(A) Operator position (SSD M.2)

Dimensions / Weight / Environmental

Dimensions (W x D x H)	146.9 x 164.5 x 36 mm 5.78 x 6.48 x 1.42 inch
Operating position	Vertical / horizontal (feet included)
VESA mount	optional mounting kit
Weight	0.8 kg
Weight (lbs)	1.76 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 G5011	ESPRIMO G5011 ESTAR
Model	TCS5	
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)	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) ENERGY STAR® 8.0 EPEAT® in progress (dedicated regions) TCO Certification in progress
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 G5011	ESPRIMO G5011 ESTAR

Security

Physical Security	Kensington Lock support	Kensington Lock support
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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) 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)

Manageability

Manageability technology	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 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	http://www.fujitsu.com/fts/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 Extended lifetime	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 Extended lifetime
Accessories information	Further helpful options Desktop Accessories: http://www.fujitsu.com/global/products/computing/peripheral/accessories/desktop/ http://www.fujitsu.com/global/products/computing/peripheral/accessories/connectivity/ Stands and Mounting kits: http://www.fujitsu.com/global/products/computing/peripheral/accessories/desktop/ums/index.html Available Adapters: http://globalsp.ts.fujitsu.com/dmsp/Publications/public/pos-connectivity.pdf	Further helpful options Desktop Accessories: http://www.fujitsu.com/global/products/computing/peripheral/accessories/desktop/ http://www.fujitsu.com/global/products/computing/peripheral/accessories/connectivity/ Stands and Mounting kits: http://www.fujitsu.com/global/products/computing/peripheral/accessories/desktop/ums/index.html Available Adapters: http://globalsp.ts.fujitsu.com/dmsp/Publications/public/pos-connectivity.pdf

Packaging information

Packaging dimension (mm)	395 x 198 x 284 mm	395 x 198 x 284 mm
Packaging dimension (inch)	15.55 x 7.8 x 11.18 inch	15.55 x 7.8 x 11.18 inch
Max. quantity / pallet	84	84
Material - Weight (g) Carton	670 g	670 g

Packaging information

Material - Weight (lbs) Carton	1.48 lbs	1.48 lbs
Material - Weight (g) EPS / PS	10 g	10 g
Material - Weight (lbs) EPS / PS	0.02 lbs	0.02 lbs
Material - Weight (g) PE	125 g	125 g
Material - Weight (lbs) PE	0.28 lbs	0.28 lbs
Packaging notes	If keyboard is included in packaging: 1.) packaging dimension is increasing to: 500 x 208 x 290mm / (19.69 x 8.19 x 11.42 inch); 2.) material weight of carton will increase to 880g; 3.) max. quantity/pallet = 56; printed user documentation is bleached in chlorine free process;	If keyboard is included in packaging: 1.) packaging dimension is increasing to: 500 x 208 x 290mm / (19.69 x 8.19 x 11.42 inch); 2.) material weight of carton will increase to 880g; 3.) max. quantity/pallet = 56; printed user documentation is bleached in chlorine free process;

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 G5011, 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 G5011, 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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2021-10-06 EM-EN

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