FUJITSU

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™ i7-10700T processor (8 Cores / 16 Threads, 2.00 GHz, 16 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

	ESPRIMO G5011	ESPRIMO G5011 ESTAR
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 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 http://support.ts.fujitsu.com.	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 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, 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, 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

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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)	
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	
Drive bays		
Drive bays total	1	

Drive bays

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

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 Lwad (in B) / Workplace related A-weighted sound pressure level LpAm (in dB(A))	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	tbd	tbd
Standard noise operation mode: HDD load	tbd	tbd
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)	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

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Dimensions / Weight / Environmental

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	
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® in progress 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.)

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Security

Physical Security	Kensington Lock support	Kensington Lock support
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)

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

Manageability

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
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 inlcuded 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 chlorin free process;	If keyboard is inlcuded 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 chlorin 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

Data Sheet FUJITSU Desktop ESPRIMO G5011

Recommended Accessories

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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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