Fujitsu recommends Windows 10 Pro for business.

Datasheet
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. Intel® chipset along with 10th 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
- ■ Intel® chipset technology along with 10th Gen 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 USB Type-C™ connection
- ■ USB 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
- ■ USB Type-C™ connector with convenient front access support modern peripherals like USB Type-C™ storage drives or headsets

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Specification

	ESPRIMO G5011	ESPRIMO G5011 ESTARx
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		
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
Memory modules	32 GB (1 module(s) 32 GB) DDR4, unbuffered, non-ECC, 3,200 MT/s, SO DIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, non-ECC, 3,200 MT/s, SO DIMM 8 GB (1 module(s) 8 GB) DDR4, unbuffered, non-ECC, 3,200 MT/s, SO DIMM 4 GB (1 module(s) 4 GB) DDR4, unbuffered, non-ECC, 3,200 MT/s, SO DIMM	32 GB (1 module(s) 32 GB) DDR4, unbuffered, non-ECC, 3,200 MT/s, SO DIMM 16 GB (1 module(s) 16 GB) DDR4, unbuffered, non-ECC, 3,200 MT/s, SO DIMM 8 GB (1 module(s) 8 GB) DDR4, unbuffered, non-ECC, 3,200 MT/s, SO DIMM 4 GB (1 module(s) 4 GB) DDR4, unbuffered, non-ECC, 3,200 MT/s, SO DIMM
Mass storage 2.5 inch size	HDD SATA III, 5,400 rpm, 2,000 GB, 2.5 inch	HDD SATA III, 5,400 rpm, 2,000 GB, 2.5 inch
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) 2.5 inch bay for devices with 7 mm height	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 7 mm height
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 requires Windows operating system installed "ESPRIMO G5011 ESTARx" will be printed on device label as model name

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Base unit

	ESPRIMO G5011	ESPRIMO G5011 ESTARx
Mainboard		
Mainboard type	D3904	D3904
Formfactor	Proprietary	Proprietary
Chipset	Intel® H510	Intel® H510
Processor socket	LGA 1200	LGA 1200
Processor quantity maximum	1	1
Supported capacity RAM (max.)	64 GB	64 GB
Memory slots	2 DIMM (DDR4)	2 DIMM (DDR4)
Memory frequency	3,200 MT/s	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. 3,200 MHz may be clocked down to 2,933 / 2,400 MHz depending on processor, memory configuration, and memory type.	Dual channel support For dual channel performance, 2 memory modules have to be ordered. Capacity per channel has to be the same. 3,200 MHz may be clocked down to 2,933 / 2,400 MHz depending on processor, memory configuration, and memory type.
LAN	10/100/1,000 MBit/s Realtek RTL8111H	10/100/1,000 MBit/s Realtek RTL8111H
Integrated WLAN	WLAN 802.11ax/Wi-Fi 6 and Bluetooth 5.2 (optional)	WLAN 802.11ax/Wi-Fi 6 and Bluetooth 5.2 (optional)
BIOS version	AMI Aptio V UEFI Specification 2.6	AMI Aptio V UEFI Specification 2.6
BIOS features	BIOS Flash EPROM update by software Recovery BIOS Unified Extensible Firmware Interface (UEFI)	BIOS Flash EPROM update by software Recovery BIOS Unified Extensible Firmware Interface (UEFI)
Audio type	On board	On board
Audio codec	Realtek ALC623	Realtek ALC623
Audio features	Internal speaker supports audio playback, High-Definition audio	Internal speaker supports audio playback, High-Definition audio
I/O controller on board		
Serial ATA total	1	1
Thereof SATA III	1	1
Controller functions	Serial ATA III (6 Gbit) NCQ AHCI	Serial ATA III (6 Gbit) NCQ AHCI
Interfaces		
Front audio: headset	1	1
USB 2.0 total	3	3
USB 3.2 Gen 1x1 (5 Gbps) total	4	4
USB front	1x USB 3.2 Gen 1x1 1x USB 3.2 Gen 1x1 Type-C (provides up to 15 W)	1x USB 3.2 Gen 1x1 1x USB 3.2 Gen 1x1 Type-C (provides up to 15 W)
USB rear	3x USB 2.0 1x USB 3.2 Gen 1x1 1x USB 3.2 Gen 1x1 Type-C (supports DisplayPort 1.4 and incl. 60 W power delivery sink support e.g. from a display)	3x USB 2.0 1x USB 3.2 Gen 1x1 1x USB 3.2 Gen 1x1 Type-C (supports DisplayPort 1.4 and incl. 60 W power delivery sink support e.g. from a display)
VGA	Via external active adapter cable (optional)	Via external active adapter cable (optional)
DisplayPort	1	1
HDMI	1	1
Ethernet (RJ-45)	1	1
Interface module notes	Anytime USB charge functionality, HDMI Ver. 1.4	Anytime USB charge functionality, HDMI Ver. 1.4
Kensington Lock support	1	1
Input device / components		
Input devices (optional)	Keyboard Mouse	Keyboard Mouse
Drive bays		
Drive bays total	1	1
M.2-2280	1 x on mainboard for SSD NVMe (PCIe 3.0 x4; up to 32 Gbit/s)	1 x on mainboard for SSD NVMe (PCIe 3.0 x4; up to 32 Gbit/s)

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Mini PCI slots		
M.2-2230	On mainboard for WLAN module	On mainboard for WLAN module
Graphics on board		
Graphics brand name	Intel® UHD Graphics 630	Intel® UHD Graphics 630
Shared video memory	Shared memory depending on main memory size and operating system	Shared memory depending on main memory size and operating system
TFT resolution (DisplayPort)	Up to 4,096 x 2,304 pixel	Up to 4,096 x 2,304 pixel
TFT resolution (HDMI)	Up to 4,096 x 2,160	Up to 4,096 x 2,160
Graphics features	Dual display support	Dual display support
	DirectX® 12	DirectX® 12
	HDCP support	HDCP support
	OpenCL™ 2.1	OpenCL™ 2.1
	OpenGL® 4.5	OpenGL® 4.5
	DisplayPort interface supports Ver. 1.4 incl. Multi-Stream	DisplayPort interface supports Ver. 1.4 incl. Multi-Stream
	Digital audio formats are supported, including Dolby Digital Plus (7.1 channels)	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 15 W)	USB Type-C™ (supports DisplayPort™ 1.4 and power delivery (PD) up to 15 W)
Graphics notes	Up to 1 GB dedicated video memory (main memory owned and locked for graphics use)	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	Tested resolutions, depending on display type additional resolutions and frequencies possible
	Shared memory depending on main memory size and operating system	Shared memory depending on main memory size and operating system
	Resolution (color depth up to 32 Bit/pixel)	Resolution (color depth up to 32 Bit/pixel)
	For TFT we recommend using 60 Hz	For TFT we recommend using 60 Hz
Electrical values		
Power consumption note	Power supply efficiency at 115 / 230 V: 89% average efficiency	Power supply efficiency at 115 / 230 V: 89% average efficiency
Rated voltage range	100 V – 240 V	100 V – 240 V
Rated frequency range	50 Hz – 60 Hz	50 Hz – 60 Hz
Operating voltage range	90 V – 264 V	90 V – 264 V
Operating line frequency range	47 Hz – 63 Hz	47 Hz – 63 Hz
Max. output of single power supply	65 W	65 W
Power consumption		
Power consumption note	See white paper Energy Consumption	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 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	146.9 x 164.5 x 36 mm
	5.78 x 6.48 x 1.42 inch	5.78 x 6.48 x 1.42 inch
Operating position	Vertical / horizontal (feet included)	Vertical / horizontal (feet included)
VESA mount	Mounting kit (optional)	Mounting kit (optional)
Weight	0.8 kg	0.8 kg
Weight (lbs)	1.76 lbs	1.76 lbs
Weight notes	Actual weight may vary depending on configuration	Actual weight may vary depending on configuration
Operating ambient temperature	10 - 35 ℃ (50 - 95 ℉)	10 - 35 ℃ (50 - 95 ℉)
Operating relative humidity	5 - 85 % (relative humidity)	5 - 85 % (relative humidity)
Compliance		
Product	ESPRIMO G5011	ESPRIMO G5011 ESTARx
Model	TCS5	TCS5
Global	RoHS (Restriction of hazardous substances)	RoHS (Restriction of hazardous substances)
	WEEE (Waste electrical and electronic equipment)	WEEE (Waste electrical and electronic equipment)
	Microsoft Operating Systems (HCT / HCL entry / WHQL)	Microsoft Operating Systems (HCT / HCL entry / WHQL)
		ENERGY STAR® 8.0
Compliance link	https://sp.ts.fujitsu.com/sites/certificates	

Additional software

Additional software (pre-installed)	Adobe® Reader® (pdf reader) McAfee® LiveSafe™ (30 days trial pre-installed) Microsoft® Office 30 days trial	Adobe® Reader® (pdf reader) McAfee® LiveSafe™ (30 days trial pre-installed) Microsoft® Office 30 days trial
Additional software (optional)	Recovery DVD for Windows® Drivers & Utilities DVD (DUDVD) 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.)	Recovery DVD for Windows® Drivers & Utilities DVD (DUDVD) 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.)

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 Intrusion switch (with 2.5 inch HDD) Wake up from S5 (off mode) WoL (Wake on LAN)	DeskUpdate Driver management PXE 2.1 Boot code Intrusion switch (with 2.5 inch HDD) Wake up from S5 (off mode) WoL (Wake on LAN)
Manageability software	DeskView Client DeskView Instant BIOS Management	DeskView Client DeskView Instant BIOS Management
DeskView components	BIOS Management incl. Security Inventory Management Driver Management Alarm Management	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)	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)

Miscellaneous

	USB keyboards Keyboard on with any key (USB) Thermal management	USB keyboards Keyboard on with any key (USB) Thermal management

Packaging information

Packaging dimension (mm)	489 x 218 x 165 mm	489 x 218 x 165 mm
Packaging dimension (inch)	19.25 x 8.58 x 6.49 inch	19.25 x 8.58 x 6.49 inch
Max. quantity / pallet	84	84
Material - weight (g) carton	642 g (without keyboard); 845 g (with keyboard)	642 g (without keyboard); 845 g (with keyboard)
Material - weight (lbs) carton	1.42 lbs (without keyboard); 1.86 lbs (with keyboard)	1.42 lbs (without keyboard); 1.86 lbs (with keyboard)
Packaging notes	3.) max. quantity / pallet = 56;	3.) max. quantity / pallet = 56;

Warranty

Warranty terms & conditions	www.fujitsu.com/hk/microsite/warranty/

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More information

Fujitsu OPTIMIZATION solutions

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
hk.fujitsu.com/pc

Software
www.fujitsu.com/software/

More information

To learn more about Fujitsu Desktop ESPRIMO G5011, please contact your Fujitsu sales representative, Fujitsu Business partner, or visit our website.

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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Specification disclaimers

1. Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. 2. GB = 1 billion bytes. TB = 1 trillion bytes, when referring to hard disk drive capacity. Accessible capacity may vary, also depending on used software. Up to 20 GB of HDD space is reserved for system recovery. 3. Shared memory depending on main memory size and operating system.

Last Update:7th October 2021