

Fujitsu recommends Windows 11 Pro.

# 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
<b>Processor</b>	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)	
<b>Operating systems</b>		
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 <a href="https://support.ts.fujitsu.com/IndexProdSupport.asp?lng=com&amp;OpenTab=">https://support.ts.fujitsu.com/IndexProdSupport.asp?lng=com&amp;OpenTab=</a>	
	ESPRIMO G5011	ESPRIMO G5011 ESTAR
<b>Memory modules</b>	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	
	ESPRIMO G5011	ESPRIMO G5011 ESTAR
<b>Graphics</b>		
	ESPRIMO G5011	ESPRIMO G5011 ESTAR
<b>Mass storage 2.5 inch size</b>	HDD SATA III, 5,400 rpm, 2000 GB, 2.5-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, 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
<b>Optical drive</b>		
	ESPRIMO G5011	ESPRIMO G5011 ESTAR
<b>Interfaces add on cards / components</b>	Intel® WI-FI 6 AX210 and Bluetooth 5.2 vPro, SRD 5.8GHz (dedicated regions only)	
	ESPRIMO G5011	ESPRIMO G5011 ESTAR
<b>Component notes</b>	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 G5011	ESPRIMO G5011 ESTAR
<b>Mainboard</b>		
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 2933/2400 MHz 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	
<b>I/O controller on board</b>		
Serial ATA total	1	
thereof SATA III	1	
Controller functions	Serial ATA III (6 Gbit) NCQ AHCI	
<b>Interfaces</b>		
Front audio: headset	1	1
USB 2.0 total	3	3
USB 3.2 Gen1 (5 Gbps) total	4	4
USB front	1x USB 3.2 Gen 1 1x USB 3.2 Gen 1 Type-C (provides up to 15W)	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)	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	1
HDMI	1	1
Ethernet (RJ-45)	1	1
Interface Module notes	Anytime USB charge functionality, HDMI Ver. 1.4 (with 11th generation CPUs: Ver. 2.0)	
Kensington Lock support	1	1
<b>Input device / components</b>		
Input devices (optional)	Keyboard Mouse	

**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 <span style="float: right;">ESPRIMO G5011 ESTAR</span>

**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 <span style="float: right;">ESPRIMO G5011 ESTAR</span>

**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=9a164a82-6707-4511-849b-0f5bc28ba1ab">https://docs.ts.fujitsu.com/dl.aspx?id=9a164a82-6707-4511-849b-0f5bc28ba1ab</a>	

**Noise emission**

Related Processors for noise	Intel® Core™ i5-10500T processor and 8GB, no ODD, Windows 10 (tower position)
Standard noise emission	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))
Standard noise operation mode: CPU 50% load	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)
Standard noise operation mode: Idle mode	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)

**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)

**Dimensions / Weight / Environmental**

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® Gold (dedicated regions) TCO Certified 9.0
Compliance link	<a href="https://sp.ts.fujitsu.com/sites/certificates">https://sp.ts.fujitsu.com/sites/certificates</a>	

**Additional Software**

Additional software (preinstalled)	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 G5011 ESPRIMO G5011 ESTAR

**Security**

Physical Security	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 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)
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) 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	<a href="https://www.fujitsu.com/global/products/computing/pc/manageability/">https://www.fujitsu.com/global/products/computing/pc/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 Extended lifetime
Accessories information	Further helpful options  Desktop Accessories: <a href="http://www.fujitsu.com/global/products/computing/peripheral/accessories/desktop/">http://www.fujitsu.com/global/products/computing/peripheral/accessories/desktop/</a> <a href="http://www.fujitsu.com/global/products/computing/peripheral/accessories/connectivity/">http://www.fujitsu.com/global/products/computing/peripheral/accessories/connectivity/</a>  Stands and Mounting kits: <a href="http://www.fujitsu.com/global/products/computing/peripheral/accessories/desktop/ums/index.html">http://www.fujitsu.com/global/products/computing/peripheral/accessories/desktop/ums/index.html</a> Available Adapters: <a href="http://globalsp.ts.fujitsu.com/dmsp/Publications/public/pos-connectivity.pdf">http://globalsp.ts.fujitsu.com/dmsp/Publications/public/pos-connectivity.pdf</a>

**Packaging information**

Packaging dimension (mm)	395 x 197 x 288 mm
Packaging dimension (inch)	15.55 x 7.76 x 11.34 inch
Max. quantity / pallet	72
Material - Weight (g) Carton	650 g
Material - Weight (lbs) Carton	1.43 lbs
Material - Weight (g) PE	80 g
Material - Weight (lbs) PE	0.18 lbs
Packaging notes	If keyboard is included in packaging: 1.) packaging dimension is increasing to: 497 x 206 x 293mm / (19.6 x 8.11 x 11.5 inch); 2.) material weight of carton will increase to 850g; 3.) max. quantity/pallet = 42; printed user documentation is bleached in chlorin free process; Bulk packaging for projects (optional)

**Warranty**

Warranty period	1 year
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>
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: <a href="https://support.ts.fujitsu.com/">https://support.ts.fujitsu.com/</a> 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	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

<p>HDMI to HDMI2.1a cable</p> 	<p>The Fujitsu HDMI to HDMI2.1a cable connects your display with your system or Port Replicator.</p>	<p>Order Code: S26391-F6055-L218</p>
<p>DisplayPort to DisplayPort 1.4 Cable</p> 	<p>The Fujitsu DisplayPort to DisplayPort Cable connects your system with your display offering you an ultra high resolution graphics connection up to (8K UHD (7.680 × 4.320 Pixel) @ 60 Hz).</p>	<p>Order Code: S26391-F6055-L219</p>
<p>HDMI to HDMI Cable</p> 	<p>The Fujitsu HDMI to HDMI Cable connects your display with your system or Port Replicator.</p>	<p>Order Code: S26391-F6055-L230</p>
<p>USB Type-C to USB Type-A Adapter</p> 	<p>The Fujitsu USB Type-C to USB Type-A Adapter allows you to connect Accessories with an USB Type-A interface with your system.</p>	<p>Order Code: S26391-F6058-L100</p>
<p>USB-C Cable 5A Gen2</p> 	<p>The Fujitsu USB-C Cable 5A Gen2 allows you to connect Accessories with an USB Type-C interface with your system.</p>	<p>Order Code: S26391-F6058-L101</p>
<p>USB-C to HDMI2.0 Adapter</p> 	<p>The Fujitsu USB-C to HDMI2.0 Adapter enables the connection of HDMI displays to systems providing an alternate mode based USB-C interface.</p>	<p>Order Code: S26391-F6058-L130</p>
<p>USB Type-C to DisplayPort Adapter</p> 	<p>The Fujitsu USB Type-C to DP Adapter offers a fast and easy way to connect a DisplayPort-display to your mobile system, or desktop PC, using the USB Type-C port via plug-and-play functionality</p>	<p>Order Code: S26391-F6058-L201</p>
<p>USB Type-C to VGA Adapter</p> 	<p>The Fujitsu USB Type-C to VGA Adapter offers a fast and easy way to connect an analog VGA-display or projector to your mobile system, or desktop PC, using the USB Type-C port via plug-and-play functionality</p>	<p>Order Code: S26391-F6058-L203</p>
<p>Wireless Keyboard Set LX410</p> 	<p>The Wireless Keyboard Set LX410 is an excellent desktop solution for users with ambition. This durable keyboard set is equipped with 2.4 GHz technology and plug and play technology. The elegant mouse with new silent keys works on many surfaces due to its precise 1600 dpi sensor. It offers fabulous features and an ultra slim, portable design.</p>	<p>S26381-K410-L4** (**: country specific variation)</p>

# 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/](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 G5011, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.  
[www.fujitsu.com/emeia/products/computing/pc/desktops/](http://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.

## Contact

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