

Fujitsu recommends Windows 11 Pro.

Data Sheet

Fujitsu Desktop ESPRIMO G5010

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

The FUJITSU ESPRIMO G5010 is a stylish Mini PC which offers desktop functionality in an ultra-compact, space-saving design. Latest Intel chipset and 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 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 and 10th generation Intel® Core™ processor family
- Legacy support for standard Mini PC interfaces- DisplayPort, HDMI, USB Type-A

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

Operating systems

Operating system pre-installed	Windows 10 Pro. Fujitsu recommends Windows 11 Pro for business. Windows 10 Home
Operating system compatible	Windows 11 Pro. Fujitsu recommends Windows 11 Pro for business. Windows 11 Home 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	After the end of the product life Fujitsu will continue to test and support all upcoming Windows 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 General Availability Channel" at https://support.ts.fujitsu.com/IndexProdSupport.asp?lng=com&OpenTab= *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)

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

LAN Notes

Base unit

Base unit	ESPRIMO G5010
Mainboard	
Mainboard type	D3804
Formfactor	proprietary
Chipset	Intel® H410
Processor socket	LGA 1200
Processor quantity maximum	1
Supported capacity RAM (max.)	64 GB
Memory slots	2 DIMM (DDR4)
Memory frequency	2,933 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. 2933 MHz may be clocked down to 2400MHz depending on processor and memory configuration
LAN	10/100/1,000 MBit/s Realtek RTL8111H
Integrated WLAN	1 (optional with Bluetooth together)
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 (optional), 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 Type-A USB 3.2 Gen 1 1x Type-C USB 2.0 (provides up to 15W)
USB rear	2x Type-A USB 2.0 2x Type-A USB 3.2 Gen 1 1x Type-C USB 3.2 Gen 1 (supports DisplayPort 1.4 and power delivery 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
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 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 pixel (30 Hz)
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

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

Electrical values

Max. output of single power supply	65 W
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Power consumption

Power consumption note	See white paper Energy Consumption
Link to Energy White Paper	https://docs.ts.fujitsu.com/dl.aspx?id=5a01a770-86f9-4fb4-b05c-0c9ae0597391

Heat dissipation

Heat dissipation notes	See white paper Energy Consumption
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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 _{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 / 17 dB(A) Bystander; 18 dB(A) Operator position (SSD M.2)
Standard noise operation mode: HDD load	3.4 B / 22 dB(A) Bystander; 24 dB(A) Operator position (SSD M.2)
Standard noise operation mode: Idle mode	3.0 B / 17 dB(A) Bystander; 17 dB(A) Operator position (SSD M.2)
Standard noise operation mode: Office applications 2.0	

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 G5010
Model	TCS5
Germany	GS
Europe	CE
USA/Canada	FCC Class B cTUVus
Global	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) ENERGY STAR® 8.0 TCO Certified 8.0 (depending on configuration) EPEAT® Silver (dedicated regions), depending on configuration
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.)
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Additional Software

Additional software (optional)	<p>Recovery DVD for Windows®</p> <p>Drivers & Utilities DVD (DUDVD)</p> <p>CyberLink PowerDVD BD (playback software for Blu-ray Disc™)</p> <p>CyberLink PowerDVD DVD (playback software for DVD)</p> <p>Nero Essentials XL</p> <p>Microsoft® Office Professional 2019</p> <p>Microsoft® Office Home and Business 2019</p> <p>(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.)</p>
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Security

Physical Security	Kensington Lock support
System and BIOS Security	<p>Embedded security (TPM 2.0)</p> <p>EraseDisk</p> <p>Credential Guard Ready and Device Guard Capable (requires 8 GB or more system RAM and SSD PCIe NVME)</p> <p>Modern Standby ready (for configurations with NVMe SSD and w/o PCIe cards)</p> <p>Write protect option for the Flash EPROM</p> <p>Control of all USB interfaces</p> <p>External USB ports can be disabled separately</p> <p>Control of external interfaces</p>
User Security	<p>User and supervisor BIOS password</p> <p>Hard disk password</p> <p>Access protection via external SmartCard reader (optional)</p> <p>AuthConductor Client Basic (secure authentication solution)</p>

Manageability**Miscellaneous**

	<p>Keyboard on (Special Fujitsu keyboard required)</p> <p>Keyboard on with one key (KBPX Eco, KB521)</p> <p>Keyboard on with 2 keys (CTRL+CTRL) with PS2 or special USB keyboards</p> <p>Keyboard on with any key (USB)</p> <p>Thermal management</p> <p>Extended lifetime</p>
Accessories information	<p>Further helpful options</p> <p>Desktop Accessories: http://www.fujitsu.com/global/products/computing/peripheral/accessories/desktop/ http://www.fujitsu.com/global/products/computing/peripheral/accessories/connectivity/</p> <p>Stands and Mounting kits: http://www.fujitsu.com/global/products/computing/peripheral/accessories/desktop/ums/index.html</p> <p>Available Adapters: http://globalsp.ts.fujitsu.com/dmsp/Publications/public/pos-connectivity.pdf</p>

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	<p>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;</p> <p>printed user documentation is bleached in chlorin free process;</p> <p>Bulk packaging for projects (optional)</p>

Warranty

Warranty period	1 year
Warranty type	Bring-In / Onsite Service (depending on country)
Warranty Terms & Conditions	http://www.fujitsu.com/warranty

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 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

HDMI to HDMI2.1a cable



The Fujitsu HDMI to HDMI2.1a cable connects your display with your system or Port Replicator.

Order Code:
S26391-F6055-L218

DisplayPort to DisplayPort 1.4 Cable



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).

Order Code:
S26391-F6055-L219

HDMI to HDMI Cable



The Fujitsu HDMI to HDMI Cable connects your display with your system or Port Replicator.

Order Code:
S26391-F6055-L230

USB Type-C to USB Type-A Adapter



The Fujitsu USB Type-C to USB Type-A Adapter allows you to connect Accessories with an USB Type-A interface with your system.

Order Code:
S26391-F6058-L100

USB-C Cable 5A Gen2



The Fujitsu USB-C Cable 5A Gen2 allows you to connect Accessories with an USB Type-C interface with your system.

Order Code:
S26391-F6058-L101

USB-C to HDMI2.0 Adapter



The Fujitsu USB-C to HDMI2.0 Adapter enables the connection of HDMI displays to systems providing an alternate mode based USB-C interface.

Order Code:
S26391-F6058-L130

USB Type-C to DisplayPort Adapter



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

Order Code:
S26391-F6058-L201

USB Type-C to VGA Adapter



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

Order Code:
S26391-F6058-L203

USB Type-C to Gb-LAN Adapter



The Fujitsu USB Type-C to Gb-LAN Adapter offers a fast and easy way to connect a Gbit-LAN to your mobile system, or desktop PC, using the USB Type-C port via plug-and-play functionality

Order Code:
S26391-F6058-L301

Wireless Keyboard Set LX410



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.

S26381-K410-L4** (**:
country specific variation)

More information

Fujitsu products, solutions & services

In addition to Fujitsu Desktop ESPRIMO G5010, 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 G5010, 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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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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