

# Data Sheet

## FUJITSU IoT Solution INTELLIEDGE G700 Gateway

Industrial-grade Edge Computing hardware for unlocking greater value from your operations data

Edge computing helps companies leverage massive amounts of data that gets generated at the edge of their enterprise. The FUJITSU IoT Solution INTELLIEDGE™ G700 Gateway is a future-ready and easily customizable edge computing device that is configured to match and scale to every requirement helping organizations start their Industry 4.0 journey.

### Hi Performance hardware

Crunch massive data sets that get generated at the edge with ease using high performance hardware

- Ships with the latest Intel processors and chipsets for faster processing of operations data

### Robust security

Designed to ensure that the INTELLIEDGE Gateway device meets enterprise-grade security norms and policies

- Choose from a variety of Physical Security, System & BIOS Security and User Security options

### IIoT Infrastructure Integration

Easily configure and add INTELLIEDGE Gateways into your existing IIoT Infrastructure

- Our Gateways are pre-installed with Windows 10 IoT for faster integration

### Future-ready

INTELLIEDGE Gateway devices are future-ready and allow flexible upgrade options to meet demanding edge computing scenarios

- Extend the functionality of our gateway devices based on your growing needs and demands

### Ruggedized Gateway device

Helps you to set up and operate the gateway devices in a variety of tough and demanding environments

- Deep fin fanless design for efficient cooling, IP50 rating and port covers for dusty environments



# Components

<b>Operating systems</b>	
Operating system pre-installed	Windows® 10 IoT Enterprise LTSB 2016
Operating system compatible	Windows® 10 IoT Enterprise LTSB 2016
Operating system notes	Other operating systems on project request.
<b>Processor</b>	
	Intel® Pentium® Gold G5400T (2 Cores / 4 Threads, 3.10 GHz, 4 MB, Intel® UHD Graphics 610)
	Intel® Core™ i7-6700TE processor (4 Cores / 8 Threads, 2.40 GHz, up to 3.4 GHz, 8 MB, Intel® HD Graphics 530)
	Intel® Core™ i5-7500T processor (4 Cores / 4 Threads, 2.70 GHz, up to 3.3 GHz, 6 MB, Intel® HD Graphics 630)
	Intel® Core™ i3-7101TE processor (2 Cores / 4 Threads, 3.40 GHz, 3 MB, Intel® HD Graphics 630)
	Intel® Core™ i7-7700T processor (4 Cores / 8 Threads, 2.90 GHz, up to 3.8 GHz, 8 MB, Intel® HD Graphics 630) *
<b>Memory modules</b>	
	8 GB (1 module(s) 8 GB) DDR4, 2,400 MT/s, SO DIMM
	16 GB (1 module(s) 16 GB) DDR4, 2,400 MT/s, SO DIMM
<b>Hard disk drives (internal)</b>	
	SSD SATA III, 512 GB, 2.5-inch
	SSD SATA III, 256 GB, 2.5-inch
	SSD SATA III, 128 GB, 2.5-inch
	SSD SATA, 64 GB, M.2 module, Flash drive (MLC technology), 124 TBW*
	SSD SATA, 32 GB, M.2 module, Flash drive (MLC technology), 62 TBW*
	SSD SATA, 16 GB, M.2 module, Flash drive (MLC technology), 31 TBW*
	SSD SATA III, 480 GB High Endurance, 1DWDP, 2.5-inch
	SSD SATA III, 240 GB High Endurance, 1DWDP, 2.5-inch
<b>Interface add on cards/components (optional)</b>	
	Intel® Dual Band Wireless-AC8260 802.11ac with integrated Bluetooth 4.2 (includes antennas and mini PCIe to M.2 Adapter Board D3436-S), import and usage according to country-specific regulations

## Base unit

Base unit	INTELLIEDGE G700 GATEWAY (S26361-K1608-V200)
<b>Mainboard</b>	
Mainboard type	D3433-S2
Formfactor	miniITX
Chipset	Intel® Q170 Express Chipset
Processor socket	LGA 1151
Processor quantity maximum	1
Supported capacity RAM (min.)	8 GB
Supported capacity RAM (max.)	32 GB
Memory slots	4
Memory notes	2 SO DIMM Socket (1.2V) DDR4 – 2133 (CL15) / 2400 (CL17) SDRAM, unbuffered, non-ECC effective memory speed depends on installed processor
LAN	10/100/1,000 Mbit/s Intel i219LM & i210AT, iAMT 11 / vPro Support, Wake-on-LAN (WoL), PXE Support, Teaming Support

**Mainboard**

BIOS features	BIOS Flash EPROM update by software Recovery BIOS Unified Extensible Firmware Interface (UEFI) Quick Boot Logo Boot Quiet Boot Wake on time from S5 BIOS integrated HW Diagnostic Tool Watchdog Support Dynamic TDP adjustment
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Audio codec	Realtek ALC671
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Audio features	5.1-channel, High Definition Audio Codec
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**I/O controller on board**

Serial ATA total	5
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**Interfaces**

Audio: line-in	1
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Audio: line-out	1
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USB 2.0 total	4
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USB 3.1 Gen1 (USB 3.0) total	4
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DisplayPort	2 (V1.2)
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DVI	1 (DVI-D)
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Serial (RS-232)	1 x 4 (Serial configurable RS232, RS485 or RS422)
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Mouse / Keyboard (PS/2)	2 (1 x mouse, 1 x keyboard)
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Ethernet (RJ-45)	2
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**Input device / components**

Input devices (optional)	Keyboard Mouse KBPC PX ECO Mouse M440 ECO
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Drive bays total	
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2.5-inch bays	1
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M.2-2242	1 x onboard
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**Graphics on board**

Graphics brand name	Intel® HD Graphics, DX12, Embedded Display Port (2 lanes supported)
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Graphics features	1x DVI-D, 2x DisplayPort V1.2
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**Electrical values**

Power efficiency note	Power supply efficiency (at 230V; 10% / 20% / 50% / 100% load): 84% / 87% / 90% / 87%
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Power supply input	integrated, AC Input 100-240V
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Rated voltage range	100 V - 240 V (AC Input)
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Rated frequency range	50 Hz - 60 Hz
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Operating voltage range	90 V - 264 V
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Operating line frequency range	47 Hz - 63 Hz
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**Dimensions / Weight / Environmental**

Dimensions (W x D x H)	395 x 240 x 400 mm
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	15.55 x 9.45 x 15.75 inch
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Operating position	Horizontal / vertical (I/O ports facing down)
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Weight	5.45 kg
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Weight (lbs)	12.00 lbs
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Weight notes	Actual weight may vary depending on configuration
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Operating ambient temperature	0 - 50 °C (temperatures from 35 - 50 °C require additional airflow, otherwise system performance will be dynamically reduced as of the performance/temperature ratio in the customer application)
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**Dimensions / Weight / Environmental**

Operating relative humidity	5 - 85 % (relative humidity)
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**Compliance**

Product	INTELLIEDGE G700 Gateway
Model	IEC1
Germany	TÜV NRTL
Europe	CE
USA/Canada	FCC Class B cTUVus CAN ICES-003 (B) / NMB-003 (B)
Global	RoHS (EU & China) WEEE (Waste electrical and electronic equipment)
Japan	VCCI Class B
India	BIS R41005045
Russia	EAC
Compliance link	<a href="https://sp.ts.fujitsu.com/sites/certificates">https://sp.ts.fujitsu.com/sites/certificates</a>

**Additional Software**

Additional software (optional)	Recovery DVD for Windows® 10 IoT Enterprise 2016 LTSB Drivers & Utilities DVD (DUDVD)
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**Manageability**

Manageability technology	PXE Boot code Wake up from S5 (off mode) Intel® vPro™ technology/iAMT (depending on processor) WoL (Wake on LAN)
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**Security**

Physical Security	Kensington Lock support Intrusion switch (optional)
System and BIOS Security	Embedded security (TPM 2.0) Boot sector virus protection Write protect option for the Flash EPROM
User Security	User and supervisor BIOS password Hard disk password

**Miscellaneous**

	Thermal management Low Power Active Mode Fanless design Extended lifetime
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**Packaging information**

Packaging dimension (mm)	439 x 296 x 499 mm
Packaging dimension (inch)	17.28 x 11.65 x 19.65 inch
Max. quantity / pallet	24
Material - Weight (g) Carton	1040 g
Material - Weight (lbs) Carton	2.29 lbs
Material - Weight (g) PE	60 g
Material - Weight (lbs) PE	0.13 lbs
Packaging notes	If cable cover is included in packaging: 1.) packaging dimension is increasing to: 505 x 298 x 537mm / (19.88 x 11.73 x 21.14 inch); 2.) material weight of carton will increase to 1400g; 3.) max. quantity/pallet = 18; printed user documentation is bleached in chlorine free process

**Warranty**

Warranty period	3 years (depending on country)
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### Warranty

Warranty type	Bring-In Service / Collect & Return Service (depending on country specific requirements) / Onsite Service (for countries within region EMEA, for all other countries depending on local regulations)
Warranty Terms & Conditions	<a href="http://support.ts.fujitsu.com/warranty">http://support.ts.fujitsu.com/warranty</a>
<b>Product Support Services - the perfect extension</b>	
Recommended Service	9x5, Onsite Response Time: Next Business Day
Spare Parts availability	5 years after end of product life
Service Weblink	<a href="http://www.fujitsu.com/fts/services/support">http://www.fujitsu.com/fts/services/support</a>

## Recommended Accessories

# More information

## Fujitsu products, solutions & services

In addition to FUJITSU INTELLIEDGE G700 Gateway, 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 INTELLIEDGE G700 Gateway, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.  
[www.fujitsu.com/emeia](http://www.fujitsu.com/emeia)

## 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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