

Data Sheet

FUJITSU IoT Solution INTELLIEDGE™ G700 Gateway

Connect your OT and IT systems through industrial-grade Edge Computing gateways designed to leverage the power of enterprise data being generated at the edge of the enterprise.

OT and IT Convergence

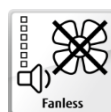
The FUJITSU IoT Solution INTELLIEDGE G700 Gateway enables organizations to leverage industrial-grade hardware designed for industrial computing scenarios to make use of the data that gets generated at the edge of the enterprise.

The INTELLIEDGE G700 Gateway is designed for flexibility, and is customizable and configurable to match every requirement in context of edge computing in an Industrial IoT (IIoT) scenario.

INTELLIEDGE G700 Gateway Highlights

The INTELLIEDGE G700 Gateway has several features and benefits such as:

- **High performance hardware:**
 - Crunch massive data sets that get generated at the edge with ease using high performance hardware.
- **Robust security:**
 - Designed to ensure that the INTELLIEDGE Gateway device meets enterprise-grade security norms and policies
- **IIoT Infrastructure Integration:**
 - Easily configure and add INTELLIEDGE Gateways into your existing IIoT Infrastructure
- **Future-ready:**
 - INTELLIEDGE Gateway devices are future-ready and allow flexible upgrade options to meet your growing edge computing demands
- **Ruggedized Gateway device:**
 - Designed to operate in a variety of tough and demanding environments



Components

Base unit	INTELLIEDGE G700 GATEWAY
Operating systems	
Operating system pre-installed	Windows 10 IoT Enterprise 2016 LTSB
Operating system compatible	Windows 10 IoT Enterprise 2016 LTSB
Operating system notes	Other operating systems on project request
Processor	
	Intel® Core™ i7-7700T Processor (2.90 GHz up to 3.80 GHz, 8 MB, Intel® HD-Graphics 630)
	Intel® Core™ i5-7500T Processor (2.70 GHz up to 3.30 GHz, 6 MB, Intel® HD-Graphics 630)
	Intel® Core™ i3-7100T Processor (3.40 GHz, 3 MB, Intel® HD-Graphics 630)
	Intel® Pentium® Processor G4560T (2.90 GHz, 3 MB, Intel® HD-Graphics 610)
	Intel® Core™ i7-6700TE Processor (2.40 GHz up to 3.40 GHz, 8 MB, Intel® HD-Graphics 530)
Memory modules	
	8 GB DDR4, 2,400 MHz, SO DIMM (max. 16 GB (2 modules))
	16 GB DDR4, 2,400 MHz, SO DIMM (max. 32 GB (2 modules))
Hard disk drives (internal)	
	SSD SATA III, 480 GB High Endurance, 2.5-inch
	SSD SATA III, 240 GB High Endurance, 2.5-inch
	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 w/ MLC technology
	SSD SATA, 32 GB, M.2 module w/ MLC technology
	SSD SATA, 16 GB, M.2 module w/ MLC technology
Hard disk notes	One Gigabyte equals one billion bytes, when referring to hard disk drive capacity. Accessible capacity may vary, also depending on used software. For 24/7 operation High Endurance Drives recommended
Interface add on cards/components (optional)	
WLAN (optional)	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.
Others (optional)	3G/4G*, Lora*, Zigbee*, EtherCAT*

*Realization on project request. For more information please contact your sales representative

Base unit

Base unit	INTELLIEDGE G700 GATEWAY (S26361-K1608-V200)
Mainboard	
Mainboard type	D3433-S2
Formfactor	Mini-ITX
Chipset	Intel® Q170 Express Chipset
Processor socket	LGA1151
Processor quantity maximum	1
Processor maximum TDP	35 W
Supported capacity RAM (min.)	8 GB (1 module)
Supported capacity RAM (max.)	32 GB (2 modules)
Memory slots and type	2 SO DIMM Socket (1.2V) DDR4 - 2133 (CL15) / 2400 (CL17) SDRAM, unbuffered, non-ECC Effective memory speed depends on installed processor
Graphics	Intel® HD Graphics, DX12, Embedded Display Port (2 lanes supported) 1x DVI-D, 2 x DisplayPort V1.2
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
LAN	Intel i219LM & i210AT with 10/100/1000 MBit/s, iAMT 11 / vPro Support, Wake-on-LAN (WoL), PXE Support, Teaming Support
Audio	Realtek ALC671, 5.1-channel, High Definition Audio Codec
I/O controller	
Serial (RS232)	1
Serial configurable (RS232, RS485 or RS422)	4
Interfaces	
USB 2.0	4
USB 3.0	4
DVI-D	1
Display Port V1.2	2
Ethernet (RJ-45)	2
Serial total	5
Audio in / out	1 / 1
Mouse / Keyboard (PS/2)	1 / 1

Drives	
2.5-inch	1
M.2-2242 onboard	1
Dimensions / Weight / Environmental	
Dimensions (W x D x H)	299 x 244 x 93 mm 11.77 x 9.61 x 3.66 inch
Operating position(s)	Horizontal, vertical (I/O ports facing down)
Weight	5.45 kg 12.00 lbs
Weight notes	Actual weight may vary depending on configuration
Operating ambient temperature	0 - 50° C (temperatures from 35° - 50° require additional airflow, otherwise system performance will be dynamically reduced as of the performance/temperature ratio in the customer application)
Operating relative humidity	5 - 85 % (relative humidity)
IP Rating	IP50 (with additional port covers)
Electrical Values	
Power efficiency note	Power supply efficiency (at 230V; 10% / 20% / 50% / 100% load): 84% / 87% / 90% / 87%
Rated voltage range	100 V - 240 V (AC Input)
Rated frequency range	50 Hz - 60 Hz
Operating voltage range	90 V - 264 V
Operating line frequency range	47 Hz - 63 Hz
Power supply	Integrated, AC Input 100-240V
Compliance	
Product	INTELLIEDGE G700 GATEWAY
Model	IEC1
Europe	CE
USA/Canada	FCC Class B cTUVus
Global	RoHS (EU & China) WEEE (Waste electrical and electronic equipment)
China	CCC (on project request)
Compliance link	https://sp.ts.fujitsu.com/sites/certificates
Additional Software	
Additional software (optional)	Recovery DVD for Windows® 10 IoT Enterprise 2016 LTSC Drivers & Utilities DVD (DUDVD)
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

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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Miscellaneous

Thermal management
Low Power Active Mode
Fanless design
Extended lifetime

Warranty

Warranty period	3 years (depending on country)
Warranty type	Bring-in Service Collect & Return Service (depending on country) Onsite Service (for countries within region EMEA, for all other countries depending on local regulations)

Warranty Terms & Conditions

Product Related Services - the perfect extension	http://support.ts.fujitsu.com/warranty
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Recommended Service	X - 9x5, Onsite Response Time: Next Business Day
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Spare Parts availability	5 years after end of product life
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Service Weblink	http://www.fujitsu.com/fts/services/support
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More Information

Fujitsu products, solutions & services

Products

In addition to the FUJITSU IoT Solution INTELLIEDGE G700 Gateway, Fujitsu offers a full portfolio of other computing products.

Computing products

- Storage systems: ETERNUS
- Server: PRIMERGY, PRIMEQUEST, Fujitsu SPARC M10, BS2000/OSD Mainframe
- Client Computing Devices: LIFEBOOK, STYLISTIC, ESPRIMO, FUTRO, CELSIUS
- Peripherals: Fujitsu Displays, Accessories
- Software
- Network

Product Support Services with different service levels agreements are recommended to safeguard each product and ensure smooth IT operation.

Solutions

The Fujitsu solutions combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships. Fujitsu's Solutions include parts of one or more activity groups (e.g., planning, implementation, support, management, and training services) and are designed to solve a specific business need.

Infrastructure Solutions are customer offerings created by bringing Fujitsu's best products, services and technologies together with those from partners to deliver benefit to our customers' businesses.

Industry Solutions are tailored to meet the needs of specific verticals.

Business and Technology Solutions provide a variety of technologies developed to tackle specific business issues such as security and sustainability, across many verticals.

Services

Several customizable Fujitsu Service offerings ensure that IT makes a real difference and delivers true business value. We do this by leveraging our extensive experience in managing large, complex, transformational IT programs to help clients in planning, delivering and operating IT services in a challenging and changing business environment.

Application Services support the development, integration, testing, deployment and on-going management of both custom developed and packaged applications. The services focus on delivering business and productivity improvements for organizations.

Business Services respond to the challenge of planning, delivering and operating IT in a complex and changing IT environment.

Managed Infrastructure Services enable customers to deliver the optimal IT environment to meet their needs – achieving high levels of IT service quality and performance for data center and end user environments.

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 resolve issues of environmental energy efficiency through IT. Please find further information at: www.fujitsu.com/global/about/environment/



More information

Learn more about Fujitsu, please contact your Fujitsu sales representative, Fujitsu business partner, or visit our website. fujitsu.com/fts/INTELLIEDGE

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