



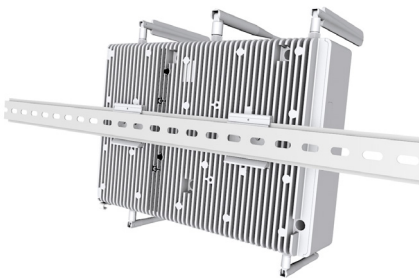
# F5 Industrial Gateway

The F5 Industrial Gateway is a series of ruggedized edge computing devices providing hyper-converged compute, storage, and networking. They can run inference, containerized, and legacy (VM) workloads in a model that's easy to deploy and operate on the factory floor, in retail stores and small branch offices, and more.

The F5 Industrial Gateway combines the capabilities of a programmable logic controller (PLC) or remote terminal unit (RTU) with hyper-converged infrastructure and gateway connectivity—4G LTE / GPS / Wi-Fi / Bluetooth—in a single, ruggedized device designed to meet the rigorous demands of industrial environments. Each device is managed through the cloud using the F5® Distributed Cloud Console and runs the F5 Distributed Cloud App Stack service to provide infrastructure and application software upgrades, along with zero-touch provisioning and decommissioning. For industries requiring automation, Distributed Cloud Stack on the Industrial Gateway facilitates PLC/RTU controller programmability directly from a CI/CD pipeline.

## HIGHLIGHTS

- Intel® Atom® Denverton C3000 series processor
- Industrialized, fanless, with a wide operating temperature range of 32° to 131° F (0° to 55° C)
- Flexible M.2 slot for NVME SSD storage or an M.2 based Neural Network processor
- Industrial analog and digital IOs to drive industrial sensors and motors—drive 0-24V and/or 4-24mA
- Multiple connectivity options—Ethernet, 11ac Wi-Fi, Bluetooth, BLE, LTE with field replaceable SIM
- Power over Ethernet (PoE) on all Ethernet ports to support IP cameras & phones
- Location services via GNSS
- Includes TPM 2.0 and integrated Intel® QuickAssist Technology for crypto security
- HDMI for HMI/digital signage use cases
- LCD display for quick status



Specifications	F5 IGW5508	F5 IGW5504	F5 IGW5008	F5 IGW5004
Dimensions	11.29" (287 mm) W x 7.67" (195 mm) H x 2.66" (67.6 mm) D			
Chassis:	Fanless / external heatsink on back side / DIN rail and VESA mounting / IP20 ratedx			
Processor:	Intel Atom® C3708	Intel Atom® C3538	Intel Atom® C3708	Intel Atom® C3538
Cores:	8 core	4 core	8 core	4 core
Speed:	1.7 Ghz	2.1 Ghz	1.7 Ghz	2.1 Ghz
Cache:	2 MB/Core	2 MB/Core	2 MB/Core	2 MB/Core
Memory:	2x DDR4 ECC SODIMM 2133 Mhz, Max of 2x32 GB			
Protocol support:	Modbus Master & Slave (RS232/RS485) Profinet (Ethernet) HART (Analog IO)			
Storage (SSD):	1x M.2 2280 NVMe 1x M.2 2280 SATA	1x M.2 2280 SATA	1x M.2 2280 NVMe 1x M.2 2280 SATA	1x M.2 2280 SATA
Industrial I/O – Analog:	4x analog inputs, 2x analog outputs 500 K samples per second rate, 16-bit accuracy Voltage range [ $\pm 10$ V, $\pm 5$ V, $\pm 2.5$ V, 0 to 10V and 0 to 5V] Current range [0 to 20mA and 4 to 20mA] HART supported			
Industrial I/O Digital:	4x digital input/output Voltage range: 24VDC HSC and PTO supported 100 Khz max IEC 61131-2 Type 1-3 Input			
Serial Bus:	1x RS232 or RS485 RS485: Up to 10 Mbps, 2-wire, half-duplex RS232: Up to 1 Mbps, 2-wire, full-duplex Modbus master & slave			
Weight:	11 lbs. (5 kg)		8.8 lbs. (4 kg)	
LAN:	4x 1000Base-T with PoE 802.3 af supported on each port			
Wireless:	Wi-Fi 11ac 2x2 MIMO Bluetooth 4.2 HS, BLE, ANT+ LTE Cat 4 (150 Mbps max DL / 50 Mbps max UL) coverage: worldwide (Supported Frequency Bands B1, B2, B3, B4, B5, B7, B8, B12, B13, B18, B19, B20, B25, B26, B28, B38, B39, B40 and B41) 3G fallback GNSS (GPS, GLONASS, BeiDou and Galileo) Field replaceable SIM			
Display:	2.4" color graphics 240x320 LCD display with associated 4 buttons HDMI			
Timers:	Battery-backed RTC, hardware watchdog timer			
System Power:	24 VDC input Typical - 100W Max - 200W	24 VDC input Typical - 90W Max - 180W	24 VDC input Typical - 60W Max - 120W	24 VDC input Typical - 50W Max - 100W
POE Power:	48 VDC input, 65W			
Security:	TPM 2.0			
Accelerator:	Integrated Intel® QuickAssist Technology			
Operating Temp:	32° to 131° F (0° to 55° C)			
AC Power Adapters:	PWR24V - AC to 24 VDC, PWR48V - AC to 48 VDC (PoE)			

