



DATA SHEET

## GATEWAY

### Gateway for LoRa®-Powered TrackLog Data Loggers



Provides improved service level agreements for LoRa®

Affordable LoRa® connectivity in or around commercial buildings

Quick and easy to deploy

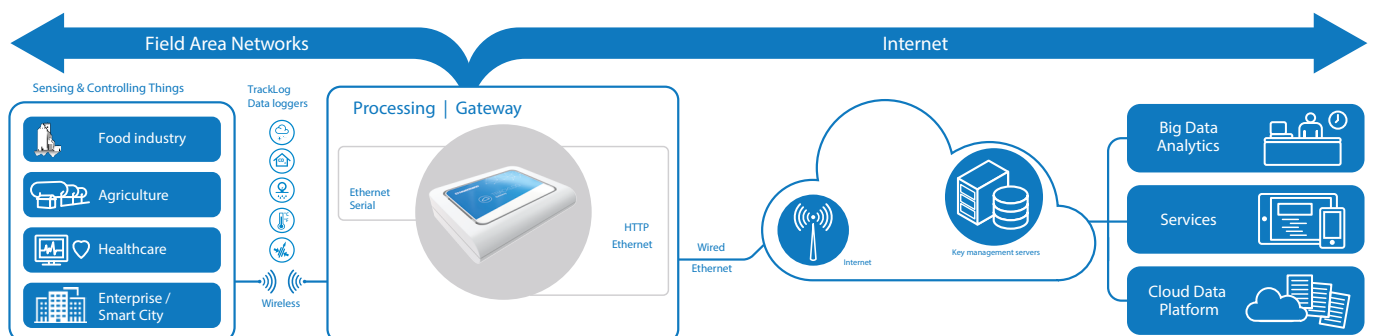
Certified and carrier approved

The Gateway for LoRa®-powered Data-Loggers harnesses the power of the LoRaWAN™ protocol to provide deep in-building penetration and connectivity to numerous TrackLog devices. Easy to deploy thanks to integrated antennas, it can be mounted on walls or ceilings to extend LoRa® connectivity in commercial buildings such as warehouses, hospitals, laboratories and food industries providing coverage in difficult to reach areas, cell towers or rooftop deployments.

#### Features

- LoRa® omni-directional internal antenna with +2 dBi gain for 868 MHz ISM band
- Ethernet RJ-45 10/100 BaseT for IP backhaul
- Support for maximum 27 dBm transmitter power output

#### Technical drawing



## Specifications

Packet Data	100 Mbps peak downlink / 50 Mbps peak uplink
Processor & Memory	ARM9 processor with 32-Bit ARM & 16-Bit Thumb instruction sets • 400 MHz • 16K Data Cache • 16K Instruction Cache • 256 MB DDR RAM • 256 MB Flash Memory
LoRa® Radio Frequency	863 - 870 MHz ISM LoRa® Digital Spread Spectrum Radio
Input Power	100-240 VAC 50/60 Hz 0.4A External adaptor to 5 VDC 2.5A input
<b>Power RF Output</b>	
Max Transmitter Power Output	27 dBm maximum output power before antenna
Integral Antenna Systems	LoRa®
<b>Connectors</b>	
Ethernet	RJ-45 Ethernet 10/100 port
<b>Physical Description</b>	
Dimensions (LxH)	165 x 133 x 32 mm
Weight	1.36 kg
Chassis Type	PC-ABS
<b>Environmental</b>	
Operating Temperature	-10° to +60° C
Storage Temperature	-40° to +85° C
Relative Humidity	20% to 90%, non-condensing
<b>Certifications</b>	
EMC Compliance	US: FCC Part 15 Class B. EU: EN 55022 Class B, EN 301 489-3 V1.6.1 (2013-08), EN 301 489-7 V1.3.1 (2005-11), EN 301 489-1 V1.9.2 (2011-09), EN 301 489-24 V1.5.1 (2010-10). Canada: ICES-003
Radio Compliance	FCC Part 22,24,27 EN62311, EN301 511, EN301 908-1-2, EN301 908-1-13, EN300-220
Safety	UL/cUL 60950-1 2nd Ed., IEC 60950-1 2nd Ed AM2
Network Approvals	PTCRB, GCF certified Cell Module, AT&T, Verizon
Quality	MIL-STD-810G: High Temp, Low Temp, Random Vibration. SAE J1455: Transit Drop & Handling Drop, Random Vibration, Swept-Sine Vibration. IEC68-2-1: Cold Temp. IEC68-2-2: Dry Heat

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