ALTHEN
SENSORS & CONTROLS

GATEWAY PROTECTIVE ENCLOSURE
INDUSTRIAL IOT

The Gateway in Protective Enclosure collects, processes, and transmits data from sensors to any cloud backend over a wide range of wired and wireless connectivity.

Please note, that this is an add-on product to extend the Condition Monitoring Starter Kit. If you are interested in using the the Gateway in Protective Enclosure, we recommend checking the Condition Monitoring Starter Kit for a full solution.

CE

■ FEATURES

- Enclosure with IP66/IP67 rating for rough conditions.
- Wide range of connectivity options. Wireless with LTE-M/2G cellular connection and 2.4GHz Wi-Fi, wired Ethernet connection, USB for external modem.
- Built-in end-to-end security. Device certificate (X.509), Transport Layer Security (TLS), access control based on unique passwords.

■ COMMON SPECIFICATIONS

- Dimensions: 180 x 130 x 81mm (excluding cable sealing clamps)
- Weight: 632g without power cord, 867g with EU power cord
- Mounting: Wall mounting with wall mounting lugs

■ MATERIALS

- Cover: Polycarbonate
- Gasket: TPE

■ ENVIRONMENT

- Operating temperature: -20°C to +50°C
- Storage temperature: -40°C to +85°C
- Humidity: 20 to 90%, noncondensing pressure equalizer

■ RATINGS

IP rating: IP66/IP67 enclosure, IP44 integrated power cord (length 1.5m; IP rating may vary depending on plug variant)

Plug: EURO type F ungrounded plug (IP rating may vary depending on plug variant).
- Impact Resistance: IK08 (EN 62262)

■ TECHNICAL SPECIFICATIONS

Power supply
- Voltage range 85 to 264 VAC
- Frequency range 47 to 440 Hz
- Power consumption 30VA max

Gateway Hardware
- ARM Cortex-A8 1GHz Processor
- 1 GB DDR3L RAM
- 16 GB eMMC Storage
- Power supply 5V DC

Connectivity
- USB A Host Port
- Ethernet
- 2G, LTE-M / NB-IOT
- Wi-Fi, 2.4GHz 802.11b/g/n
- Bluetooth, Bluetooth LE
- Wirepas 2.4GHz

Networking
- Firewall (iptables)
- Linux TCP/IP stack
- TLS/SSL
- MQTT
- Linux Bluetooth stack
- Wirepas Connectivity

Software, Development Environment
- ARM-based Linux OS (Yocto)
- Pre-loaded Python and Node.js
- SDK, Native GCC

Cloud support
- Microsoft Azure IoT EDGE certified
- Easy integration to any cloud

Version | 11.2023

Althen – Your expert partner in Sensors & Controls | althensensors.com
Althen stands for pioneering measurement and custom sensor solutions. In addition we offer services such as calibration, design & engineering, training and renting of measurement equipment.