



INDUSTRIAL IOT GATEWAY
Networking of a few to hundreds of sensor nodes.

Industrial IoT Gateway connects a mesh from few to hundreds of sensor nodes to your backends. It collects, processes and transmits data to the cloud.

Industrial IoT Gateway supports a wide range of wired and wireless connectivity and is able to integrate with any cloud platform, is extendable and runs edge applications. Stylish in design and compact in size, it fits any indoor environment and can be branded for customer.



FEATURES

- Connect sensors via Wirepas mesh.
- 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.

FOR MESH NETWORKS

When there is a need for high density of connected devices, a mesh network is the perfect solution for connectivity. Industrial IoT Gateway comes with preloaded support for Wirepas Mesh and its hardware is ready to support Bluetooth Mesh.

EDGE COMPUTING

Industrial IoT Gateway provides a powerful ARM-based Linux platform for running edge compute applications. Developers can easily de-plot and execute Python, Node.js, native GCC and other compiled applications. Industrial IoT Gateway provides 16GB of storage and it can be further extended via USB.

FULL CONNECTIVITY

Industrial IoT Gateway provides a connectivity option for any deployment from wired Ethernet to wireless with Bluetooth, Wi-Fi and cellular connection. Easy integration with Microsoft Azure and Amazon Web Services is included and with our integration service the gateway can be connected to any cloud backend.



COMMON SPECIFICATIONS

DIMENSIONS	WEIGHT	MOUNTING
ø95mm x 18,3mm	85g	Wall mount accessory available
Materials		
Cover material	Polycarbonate	
Environment		
Operating Temperature	0°C to +50°C	
Storage Temperature	-40°C to +85°C	
IP rating	IP20	

HARDWARE SPECIFICATIONS

Hardware

- ARM Cortex-A8 1GHz Processor
- 1 GB DDR3L RAM
- 16 GB eMMC Storage

Power

- Power supply 5V DC

Certifications

- CE, FCC, ISED, India, Brazil

Connectivity

- Wirepas Mesh 2.4GHz
- 2G, LTE CAT M1 / NB-IOT
- Wi-Fi, 2.4GHz 802.11b/g/n
- Bluetooth, Bluetooth LE
- Ethernet RJ45
- USB A Host Port

Dimension

- Size: ø95mm x 18,3mm

Fixing Methods

- Wall/ceiling mount available

SOFTWARE

Development Environment

- ARM-based Linux OS (Yocto)
- Pre-loaded Python and Node.js
- SDK, Native GCC
- Optional tools on request

Networking

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

Cloud Support

- Microsoft Azure integrated
- Integration service to connect the gateway with any cloud