

# MyPi Industrial IoT Edge Gateway

## ■ System Features

10/100 Ethernet Interface

Isolated CAN Interface with on-board termination resistor

Isolated 2-Wire RS485 Interface with transparent hardware flow control and on-board bus pull and termination resistors

2 x mPCIe Interface supporting:

- 3G/4G Modems (1 x on-board SIM slot)
- USB WiFi 2.4/5GHz cards
- RF IO modules

µSD Card secondary storage in addition to eMMC flash on Raspberry Pi Compute Module

Integrated Infineon SLB9670 TPM 2.0

Hardware 1.6second Watchdog

Switched power input with 'Power Good' input line allowing for controlled power up and safe shutdown operation – ideal for automotive environments.

Optional IO module with accelerometer & secondary RTC providing 'shake to wake' and 'sleep/wake timer' functionality.

Supports Compute Module 1/3/3+ providing a low power or high performance system

Wide fan-less operational -25 to +60°C ambient temperature range

Small, Rugged aluminium enclosure with flexible mounting Kit

## ■ RF IO Cards

The IO capability of the Edge Gateway unit can be expanded easily by using one of our pre-certified RF IO mPCIe Cards.

Industry standard protocols like **Zigbee**, **LoRa**, **XBEE**, **enOcean** & **Bluetooth 5** are easily added by fitting the appropriate card and connecting up to an antenna output.

## ■ Power Consumption

Wide 9-28V DC power input range, withstanding transient dips to 6V (e.g. Engine Crank)

1.56-2.8W Average - Dependant on CPU module used

## ■ Raspberry Pi Compatibility

Fully compatible with Raspberry Pi Compute Module 1/3/3+ CPU modules, enabling swift migration of existing development work done using a standard Raspberry Pi.



## ■ Enclosure Branding

The Edge Gateway unit can be optionally laser printed with your company's logo, this gives a crisp and weatherproof finish and with low start volumes provides the perfect way to provide end-to-end branding of your cloud IoT service.

## ■ FCC/CE Approvals

Fully certified with FCC/CE Class A industrial approvals

## ■ Dimensions

Enclosure Material : Black anodized aluminium

Enclosure Size : 15 x 10 x 3 cm

2 x Plastic Clip-on brackets allowing for wall or DIN rail mounting