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 802.11 b/g/n cards
- RF IO modules

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.

Supports Compute Module 1/3/3L (on-board SD card slot for CM3L) 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** & **Bluetooth BLE** 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 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 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