MyPi Industrial IoT Integrator Board SE

■ Main Card Features

Supports All Raspberry Pi Compute Module 4 variants and Compute Module 5

10/100/1000 LAN Interface

uSD Card Storage (SDIO Interfaced)

mPCIe Interface (USB Interfaced) + SIM

SPI Infineon SLB9670 TPM 2.0

Battery Backed RTC

Board ID EEPROM

Isolated RS485 Interface

RS232 Port

DIGI XBEE Compatible RF Slot

Modular IO slot with 11 GPIO Pins

Compatible with ADC/CAN/485/Sensor-Kit IO boards

Optional 60 second watchdog (active from power up/boot)

Temperature activated fan control (same as Pi CMIO4 board)

2 x Bi-colour user LEDs

9-28V Input with gated power switch supporting external UPS

Wide operating temperature range, -20°C to +80°C with standard CM4 and -40°C to +80°C with extended temp models

Core PCB Size : 125 x 142mm

■ I/O Socket Features

4 x I2C Interface

1 x SPI Interface (2 x Chip Selects)

2 x TTL 16550 UART (RX/TX)

1 x I2C-SLAVE

■ Power Consumption

9-28V DC Input
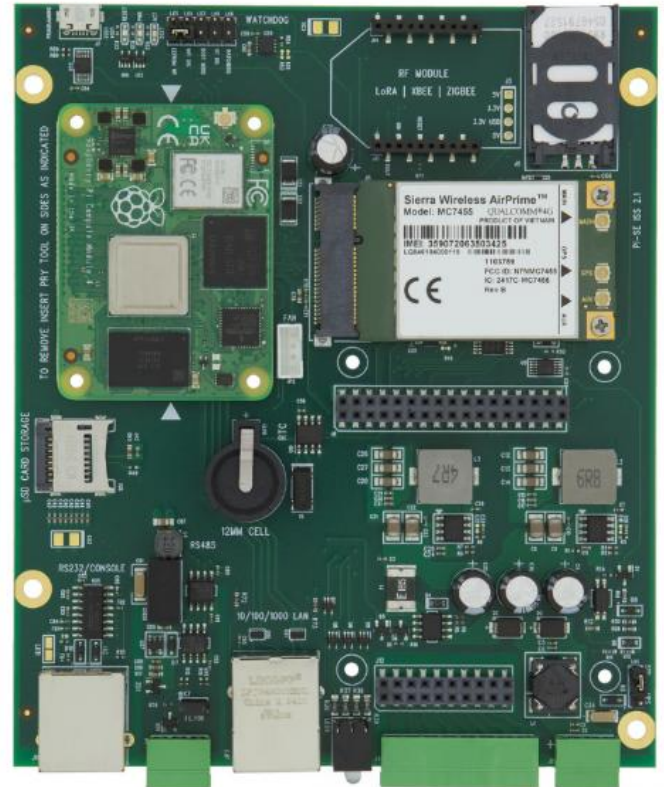2.7-4.7W Average -Dependant on CPU module & CPU activity

■ Dimensions

Core PCB Size   : 125 x 142mm
+ Break Off Enclosure Tabs : 125 x 160/163.4mm

4 x M3.5 mounting holes

■ Raspberry Pi Compatibility

Fully compatible with Raspberry Pi Compute Module 4 CPU modules, enabling swift migration of any existing development work done using a standard Raspberry Pi.

■ FCC/CE Approvals

Obtained a FCC/CE Class A (Industrial) when tested within ENC1/2/3 enclcosures.

■ Enclosures

Form-factor adjustable to fit two "off the shelf" Hammond brand aluminium enclosures in different size/colours:

Single Height - Hammond 1455P1602(/BK)
Double Height - Hammond 1455Q1602(/BK)

Pre-cut end plates and silk-screening service available