MyPi Industrial IoT Integrator Board NT
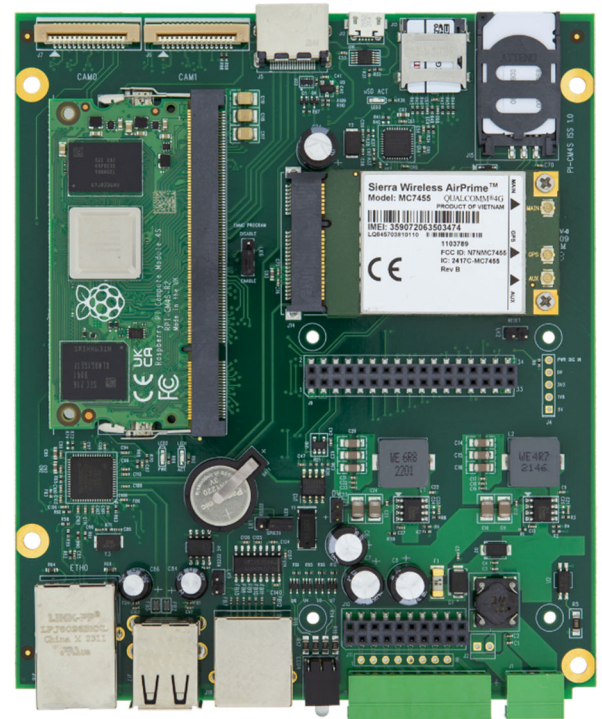
■ Main Card Features

Supports All Raspberry Pi Compute Module 3+/4S variants

1x 10/100 Ethernet Interface

2x USB 2.0 master interfaces (external access)

Mini PCI-e Interface + SIM connector for use with 4G cellular modems

USB interfaced µSD Card interface, providing additional storage separate from the

Compute Module eMMC flash

Integrated RS232 Port

Dual high-resolution Raspberry Pi camera interfaces

Integrated battery backed real-time-clock (RTC)

Board Serial Number ID EEPROM

Modular IO Cards for application specific IO solutions

Additional 1.6 Second hardware watchdog

HDMI display output

2x Bi-colour (red/green) front panel status LEDs

1x Opto-Isolated Digital Input

8Way 2-part 3.5mm Screw terminal connector for use with modular IO card outputs or HAT board

Wide 9-28V DC power input range

Wide -20°C to +80°C temperature operating range

Core PCB Size : 125 x 142mm

■ I/O Socket Features

28 GPIO Lines Providing
- 2/4 x SPI
- 1/5 x I2C
- 2/5 x UART
- SDIO Interface
- 3 x GPCLK
- 2 x PWM Channels

■ Power Consumption

9-28V DC Input
2.1-4W 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 3+/4S 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

Also compatible with weather proof IP55/66 Rated StationBox enclosure from RF Elements