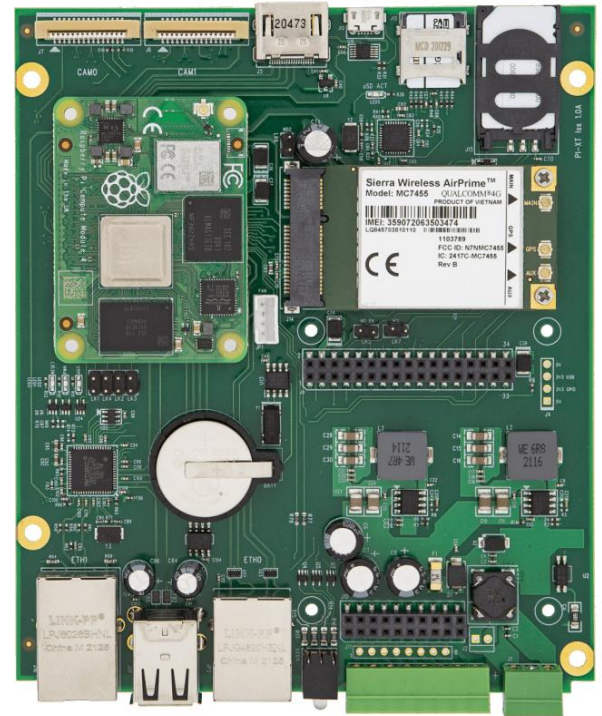


MyPi Industrial IoT Integrator Board XT



Main Card Features

Supports All Raspberry Pi Compute Module 4 variants
Dual Ethernet interfaces - 1x Gigabit Ethernet adapter & 1x 10/100 Ethernet adapter
2x USB 2.0 master interfaces (external access)
Mini PCI-e Interface + SIM connector For use with 4G cellular modems
USB interfaced μ SD Card interface, providing additional storage separate from the Compute Module eMMC flash
Integrated SPI Infineon SLB9670 TPM 2.0
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
Temperature activated fan control (same as Pi CMIO4 board)
Additional 60 Second hardware watchdog (active from power up/boot)
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/-40°C to +80°C operating range dependant on CM4 Module
Core PCB Size : 125 x 142mm



I/O Socket Features

I2C Interface
SPI Interface (2 x Chip Selects)
TTL 16550 UART (RX/TX/RTS/CTS)
TTL Serial Console
28 x GPIO Lines
2 x PWM Outputs
2 x GPClk Outputs

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 enclosures.

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

