

Panel mount Industrial IoT HMI



Smart Factory, Smart Building, Smart Agriculture, Smart Facility

SKU: PHMI

☒ Safe Zone

☐ Hazardous Zones



PHMI is an all-in-one industrial HMI device that functions as both a user-friendly interface and an intelligent gateway for Industrial IoT applications. Featuring a 10.1" or 8" IPS LCD multi-touch display, it comes with standard interfaces such as Ethernet, RS485, and USB, along with optional wireless connectivity including WiFi, 4G, and 5G for seamless integration with cloud platforms and IoT systems.

The device is programmable via Node-Red, enabling fast deployment of customized HMI applications. It also supports optional expansions such as a 433 MHz Wireless Concentrator for WS433 sensors, BLE for MESH sensor networks, and a built-in LoRaWAN Gateway for wide-area sensor networks.

With powerful features and flexible architecture, PHMI is the ideal solution for Smart Factory, Smart Building, and Smart Agriculture applications.

Applications

Notes For Applications

☒ **Multiple Connectivity**
Support various types of connectivity such as RS485, Ethernet, Sub-GHz wireless sensors, LoRaWAN sensors, BLE sensors, WiFi sensors...

☒ **Multiple Protocols**
Support various popular protocols such as ModbusRTU/ASCII, ModbusTCP, BacnetIP, OPC-UA, EthernetIP, MQTT, HTTP...

☒ **Advanced IoT Functions**
Edge processing by Node-Red programming language, Cloud connection to any IoT platform or Software

☒ **High-quality Display and Touch**
Multi-touch IPS wide-angle view Display

☒ **Single HMI for Multiple applications**
Can be used for any applications in Factory, Facility, Building, Agriculture, Machines...



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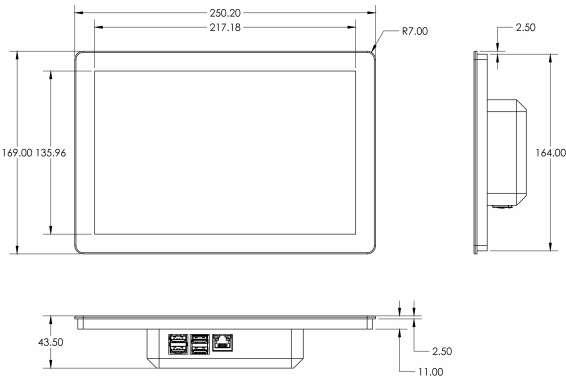
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Specification

Standard Communication	01 x RS485, 01 x USB, 01 x RJ45 Ethernet
Optional Communication	WiFi, 4G or 5G, BLE, LoRaWAN Gateway, WS433 Sub-GHz Co-ordinator
Protocol support	ModbusRTU/ASCII, ModbusTCP, BacnetIP, OPC-UA, EthernetIP, MQTT, HTTP...
Screen type	10.1" 1290x800 colour IPS LCD Display with capacitive touch screen
Power supply	5VDC via USB type C port. Included power adapter with input of 100-240VAC and output USB type C 5VDC max 5A
Consumption	500mA avg.
Mounting type	Panel mount 246x165 mm cut-out, VESA mount screws
Working temperature/humidity	0..60 degC / 95%RH non-condensing
Dimension	H169xW250xD50
Net weight	750 grams..



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Ordering Information

ITEM CODE	DESCRIPTION
PHMI-10-01	Panel mount Industrial IoT HMI, 10.1-inch, Standard Communication
PHMI-08-01	Panel mount Industrial IoT HMI, 8-inch, Standard Communication