PYTROWELL

PX-A300
Industrial Edge Controller

PytroAI | Cloud Native | Modbus RTU | Modbus TCP | Modbus Cellular | Modbus Radio | Legacy Controller Support

- **Alarming & Notifications**
- **GPS/GNSS Remote tracking**
- **PytroAI USB Web Interface**
- **Modbus RTU over RS-232**
- **Modbus RTU over RS-485**
- **Modbus TCP over Ethernet**
- **Modbus Cellular over LTE 4G**
- **Modbus Radio over 900MHz ISM**
- **Logging via microSD**



PX-A300 is an Industrial Edge Controller built specifically to interface to any modbus controller to provide an advanced monitoring, alarming and control layer. **PX-A300** has a built-in Edge MPU(aka PytroAI) for processing complex algorithms that add an advanced logic layer to legacy controllers to implement new algorithms. **PytroAI** has a USB-Web Interface to easily browse, download, and install pre-built apps via a simple USB connection—eliminating complex proprietary software. **PX-A300** is Modbus Master Controller that supports wired Modbus (RS-232, RS-485, Ethernet TCP) and wireless Modbus (LTE 4G, Radio ISM). **PX-A300** is a Cloud-Native Controller that allow bidirectional communication to/from any Modbus compatible device while consolidating control, monitoring, and analytics onto a single device.

Specification Table

Hardware Specifications	
Supply voltage	**12 – 24 VDC**
Dimensions(LxWxH)	**3.937" x 3.244" x 1.114"**
IP Rating	**IP 64**
Logging	**MicroSD card**
USB	**Debugger, DFU update**

Software Specifications	
Device Setup	**PytroAI USB Web Interface**
Edge engine	**MicroPython**
Device Troubleshooting	**PytroAI USB debugger**
Device Programming	**PytroAI USB DFU**
Device Bootloader	**DFU, Recovery mode**

Modbus(+) Wired Interfaces	
RS-232	**1× port- Modbus RTU Slave**
RS-485	**1× port- Modbus RTU Slave** **1× port- Modbus RTU Master**
Ethernet	**1× port- Modbus TCP Slave**

Modbus(+) Wireless Interfaces	
LTE 4G	**Modbus Cellular via API**
Radio 900Mz ISM	**Modbus Radio Master** **Modbus Radio Slave**
Certifications	**FCC, IC**

Ordering Options

Part Number	Description of Product
PX-A300	RS-232, RS-485, Ethernet (internet via on-site LAN or Starlink), microSD, RTC, 12–24 VDC.
PX-A300-CELL	All features as above plus Cellular LTE 4G module for remote telemetry.
PX-A300-RADIO	All features as above plus Radio 900MHz module for local telemetry.
Warranty	1 year standard. See www.pytrowell.com/warranty for terms.

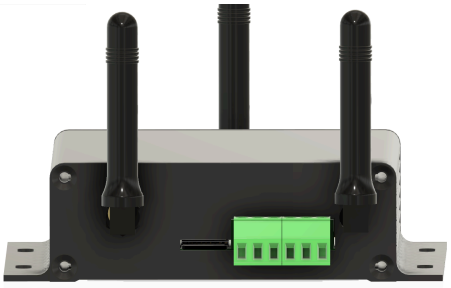
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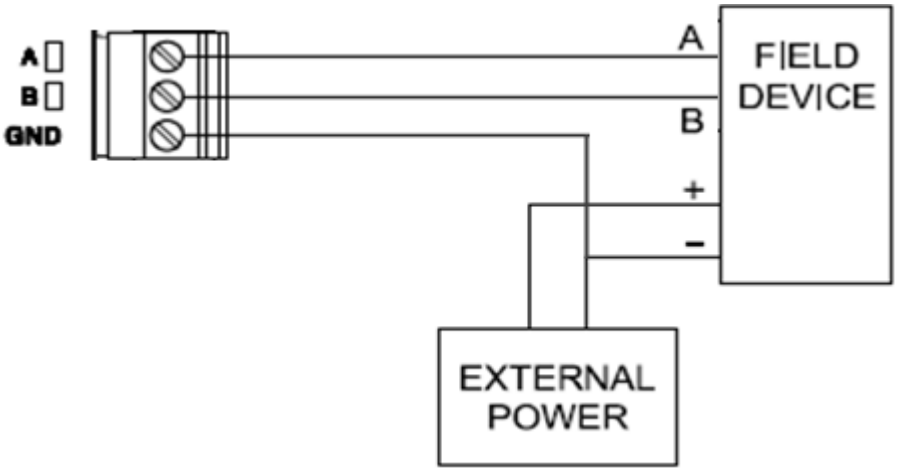
Product Views

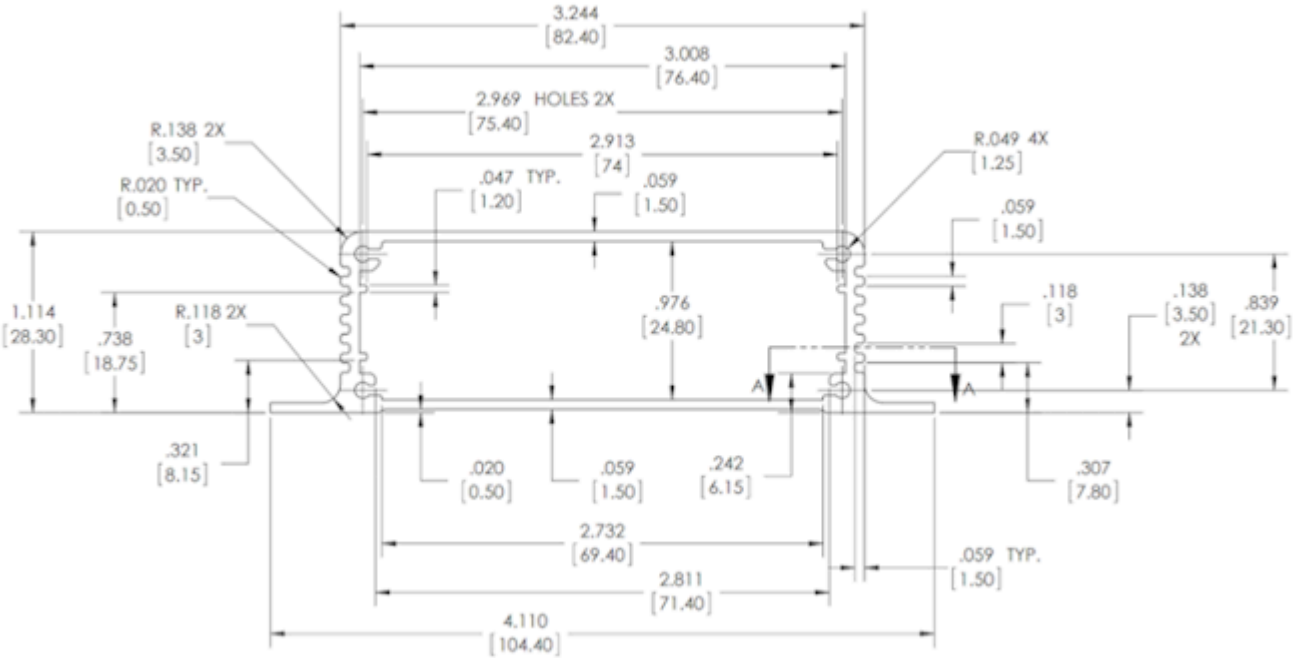






RS-485 Wiring Diagram & Mechanical Specifications





To purchase, please contact your local distributor:
OpenAir Solutions | sales@openairiot.com
(480) 231-6867

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