

PD-WIO-30 Wireless Enabled Controller

Applications

- Building Automation
- HVAC Controls
- Solar Power/Electrical Generation
- Electric/Gas/Water Metering
- Wireless Sensor Networks
- Volumetric Flow Monitoring
- Emergency Generator Controls
- Lighting Controls
- Critical Asset Monitoring
- Access Control

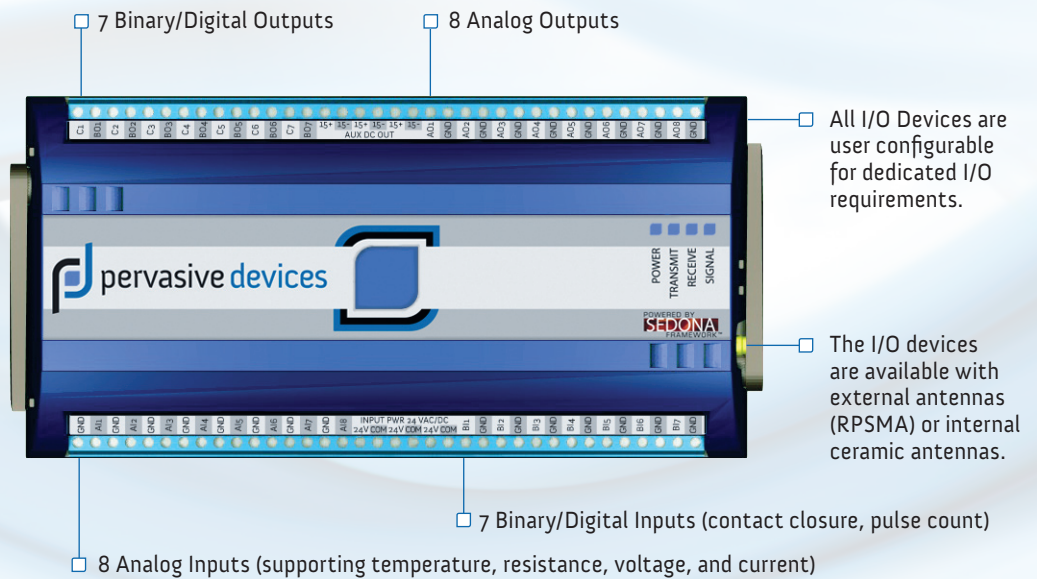
Features

- Wireless Connectivity
- All-new IPv6 Protocol
- 128-bit AES Encryption
- Intuitive Configuration Tool
- Sedona Virtual Machine

About Sedona

The Sedona Framework™ is the industry's first, open source development framework that provides a complete software platform for developing, deploying, integrating, and managing pervasive device applications at the lowest level. It brings the power of programmable control and the Internet down to cost-effective devices. The Sedona Framework distributes decision making control and manageability to any device and brings intelligence and connectivity to the network edge and back.

The Pervasive Devices PD-WIO-30 Controllers are rugged, network-centric, high-performance I/O controllers designed and built on the new Sedona Framework™. The controllers enable superior deployment, integration and management of Pervasive Devices applications through the acquisition, processing and transmission of analog and digital I/O. These devices utilize high speed IEEE802.15.4 and ZigBee compliant wireless mesh Sedona® technology. Easily configured, they offer unparalleled, cost-effective solutions for both general purpose and custom applications.



Wireless Connectivity

- 2.4 GHz IEEE802.15.4 and ZigBee compliant
- Up to 1km range (with external mounted antennas)
- RPSMA Connector
- 128-bit AES Encryption
- Compliant with FCC part 15, ETSI ETS 300-328 and Japan ARIB STD-T66

Power

- 24 VAC/DC

I/O

- Analog Inputs:
 - Voltage: 0-10 (all variations between 0-10V)
 - Current: 0-20 (all variations between 0-20mA)
 - Thermistor Type2
 - Thermistor Type3
- Analog Outputs:
 - 0-10V
 - 0-20mA
- Binary Outputs:
 - SPST, NO, 5A @277VAC resistive, pilot duty
- Binary Inputs:
 - Dry contact

Pervasive Devices designs, manufactures and deploys enabling technologies and components for networking devices to services in the emerging Machine-to-Machine (M2M) "Internet of Things". These visionary products utilize embedded computing and wireless networking technologies built on the Sedona Framework™ to deliver smart, remotely-monitored sensors, actuators and controllers, which support new modes of customer interaction and service delivery. Pervasive Devices solutions enable a new era of unmatched capabilities for continuous, "always-on" applications in the emerging pervasive Internet of Things.