

# Product Brief

# PPS Industrial

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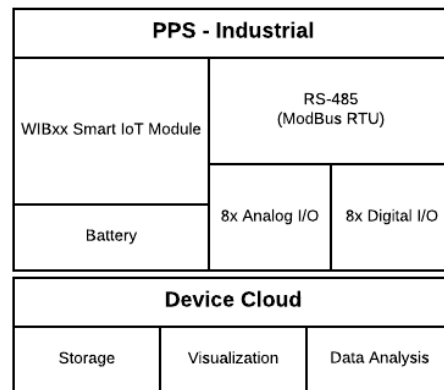
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## General Info

PPS Industrial is an enterprise grade device that enables out-of-the-box data collection, Cloud, and application specific data analysis services. PPS Industrial is a solution-centric offering built to provide target customers a full-fledge Industrial IoT solution through product-plus-services (PPS) business model.

PPS Industrial solution leverages security, connectivity options (enterprise grade wireless connectivity (WiFi & BT), cellular network, low-power wide-area (LPWA) networks), flexible Cloud infrastructure, edge management software and application development through integration of external sensors. To accommodate different sensor and actuator types PPS Industrial features rich set of peripheral interfaces such as analog, current, digital and ModBus master/slave. It is easily configured through Inovatink Cloud Device Configuration UI or Cloud to Cloud (C2C) API. PPS Industrial is designed for both indoor and outdoor applications.



PPS-Industrial Solution Architecture

## Key Benefits

- Low cost
- Pre-tested
- Fully Certified
- Integration-ready
- Day one Cloud Connectivity
- End-to-end Enterprise Grade Security

## Applications

PPS Industrial solution simplifies assets commissioning/tracking, enables remote field equipment upgrades, reduce downtime, provides services to improve assets manufacturers' operational efficiency and enables proactive maintenance of assets. These devices are intended to be used in following applications

- Predictive maintenance
- Equipment monitoring
- Remote control
- Environment monitoring



PPS Industrial

## Hardware Features

PPS Industrial - model w01	
Radio Option	
Bluetooth	Classic BR/EDR and Bluetooth v4.2
WiFi	WiFi Certified 2.4GHz 802.11 b/g/n/e/i
RF certification	FCC/CE/IC
Supply	
Input Power	4.3V - 6V / 1A max (wall adapter or solar panel)
Output Power	12V / 200mA and 5V / 500mA
Battery (optional)	3400 mAh
Interfaces	
Digital In (8 ch)	5V
Digital Out (8 ch)	10V
Analog In (8ch)	Single Ended, Differential, 0 10V, 0 20mA, 4 20mA
Analog Out (8ch)	0 10V (25mA)
Communication	Isolated 2/4-wire RS-485
Auxiliary	RGB LED, Programmable button
Mechanical	
Dimensions (mm)	120mm L x 74mm W x 32mm H
Antenna	Internal / External

PPS Industrial - model 2g01	
Radio Option	
GSM/EDGE	850/ 900/ 1800/ 1900 MHz
RF certification	FCC/CE/IC
Supply	
Input Power	4.3V - 6V / 1A max (wall adapter or solar panel)
Output Power	12V / 200mA
Battery	3400 mAh
Interfaces	
Digital In (8 ch)	5V
Digital Out (8 ch)	10V
Analog In (8ch)	Single Ended, Differential, 0 10V, 0 20mA, 4 20mA
Analog Out (8ch)	0 10V (25mA)
Communication	Isolated 2/4-wire RS-485
Auxiliary	RGB LED, Programmable button
Mechanical	
Dimensions (mm)	120mm L x 74mm W x 32mm H
Antenna	Internal / External

## Software Features

PPS Industrial - All Models	
Security	
WiFi	WPA/WPA2/WPA2-Enterprise/WPS
Encryption	AES 128/192/256, RSA/ECC/HASH (SHA-2)
Server Authentication	SSL, TLS or custom
Connectivity	
WiFi Mode	Station/SoftAP/SoftAP+Station/P2P
Internet Protocols	IPv4, IPv6, TCP/UDP/HTTP/FTP/MQTT/CoAP
Out-of-the-Box Services	
Provisioning	using WiFi, BT or GPRS (auto)
Module OTA Update	Automatic, WiFi/GPRS based
Client OTA Update	On demand
Cloud	Inovatink Cloud / C2C API

