BARIX

Barionet 200

Universal, programmable IoT Sensor Server.

Barionet 200 is a fully programmable IoT sensor server from Barix, based on Linux OpenWRT. The device features interfaces such as 4x USB, WiFi and a Digital Input port. It is IPv4 and IPv6 capable. Supporting many IP and Control protocols, the Barionet device can be easily integrated into 3rd party management systems. Barix Products are developed in Switzerland and manufactured in the EU.

Applications

- Automation engineering in buildings,
- public transport and network infra-
- structures
- Industrial Machine monitoring
- Access control and security systems
- driving horns or lights
- Environmental monitoring for various application (power stations, agriculture, etc.) using serial probes incl. logging
- Logging of temperature and humidity
- HVAC steering
- PV power management
- Counter and smart meter interfacing to networks
- Sensor-Cloud interface for IoT Applications

Features

- Embedded Linux / OpenWRT
- Programmable in C++, Lua or Python
- IPv4 / IPv6 stack
- One 10/100 Ethernet port
- Wi-Fi 802.11 b/g/n, 2.4Ghz
- One Digital Input
- 4 USB Host Interfaces
- Barionet DIN-Rail Case
- Supply Voltage 9-30 VDC
- IEEE 802.3af PoE
- Optional Real Time Clock

Technical Specifications

Operation System

- Linux / OpenWRT

Network / WiFi Interfaces

- 1 x Ethernet (RJ45) Interface
- IPv4, IPv6 capable
- 10/100 fdx/hdx, auto negotiation
- WiFi 802.11 b/g/n, 2.4 GHz
- TCP/IP, RTP, UDP, ICMP, DHCP, CGI, HTTP, SNMP

I/O Interface

- 1 x Digital Inputs (0-15VDC)

USB Interface

- 4 x USB Host (Type A) Interface

CPUs / Memory

- MediaTek MT7620N, Qino Lite Module
- 64MB SDRAM
- 8MB Flash

OEM Options

- RTC Real Time Clock

User Interface

- Web interface for control / configuration
- 2 x LED Status indicators
- Reset & Factory Defaults Button

Power Requirements

- Single 9-30V DC supply voltage, 2.5 Watt (without attached USB devices) or
- IEEE 802.3af PoE

Measurement

- 4.05" x 3.35" x 1.22" / 103mm x 85mm x 31mm

Weight

- 160g

Warranty

- Two years

Environmental

Operating Environment
0 to +50°C / 32 to 122°F
0 - 70% relative humidity, non-condensing

Storage Conditions
-20 to +70°C / -4 to 158°F
0 - 70% relative humidity, non-condensing

Certifications

CE, RoHS, FCC

Ordering Information

2018_9253P_BARIONET 200 NO PSU

For commercial related questions (distributors contacts, price list, business opportunities)
please contact: sales@barix.com

For technical inquiries (problem reports, request for documentation, etc.)
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Direct Link