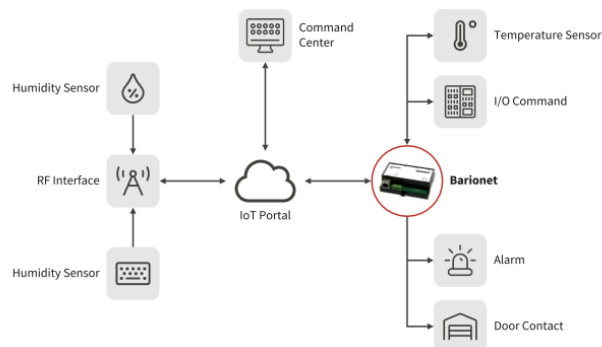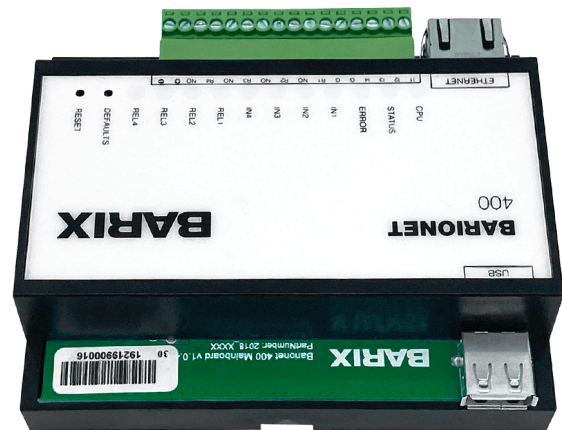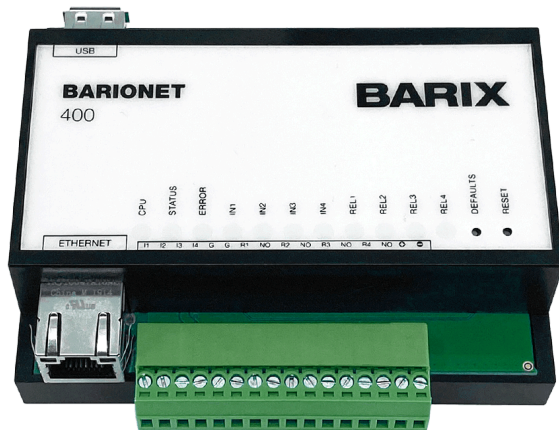# BARIX

Barionet 400

Universal, programmable I/O Device Server.

Barionet 400 is a fully programmable I/O device server of Barix, based on Linux/Lede/OpenWRT. The device features most common IO interfaces such as USB, digital Inputs and Relays. It is IPv4 or IPv6 capable. Supporting multiple communication protocols, the Barionet device can be used in different applications such as automation, building control, public transport and many more. Barix Products are developed in Switzerland and manufactured to the highest standards.

Applications

- Automation engineering in buildings, public transport and network infra-structures
- Machine control
- Access control and security systems driving horns or lights
- Environmental monitoring at power stations, sluices, or in agriculture
- Contact closure monitoring
- HVAC steering
- PV power management

Features

- Embedded Linux / OpenWRT
- Programmable in C++, Lua or Python
- IPv4 / IPv6 stack
- One 10/100 Ethernet port
- 4 Relay Outputs
- 4 Digital Inputs
- USB Host Interface
- 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(S), SNMP

I/O Interface

- 4 x Relay Outputs (30VDC, 0.5A)
- 4 x Digital Inputs (dry contacts)

USB Interface

- 1 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
- 10 x Multicolor 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

2018.9257P BARIONET 400

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

For technical inquiries (problem reports, request for documentation, etc.)
please contact: support@barix.com

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Direct Link