

BARIX

BARIONET 1000 FAMILY

Universal, programmable I/O device server



The BARIONET 1000 / 1xxx is a Linux/Open-WRT based universal, fully programmable I/O device server. I/O interfaces include two USB host interfaces, WiFi connection, a serial port, analog and digital I/Os, Relays and Dallas 1-wire support - and it is IPv6 capable.

Summary Barionet 1000 family

- USB Host Ports
- Wi-Fi 802.11 b/g/n
- IPv6 capable
- Full user programmable
- Versatile I/O
- Classic Barionet Din-Rail Case
- 2-year warranty
- Developed in Switzerland, manufactured in the EU

Barionet 1100 includes as well

- RS-485
- RTC clock
- Wiegand capability
- Future optional internal interface: LoRa

Specification

- IPv4 / IPv6 stack
 - 16M flash, 64M DRAM
 - One 10/100 Ethernet port
 - Wi-Fi 802.11 b/g/n, 2.4Ghz
 - Two Relay outputs
 - Four open collector (digital) outputs
 - 8 contact closure inputs, 4 of these analogue capable
 - Interface for temperature sensor – Dallas 1-wire 18DS20
 - DB9 RS-232 Serial port
 - Two USB Host ports
 - Supply Voltage 9-30 VDC
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Technical Specifications

I/O Interface

- Two relay outputs (max. 30 VDC, 5 A)
- Four open collector (digital) outputs (4 x 24 VDC, 0.3 A)
- Eight contact closure inputs (0-15 VDC), four of these are 12 bit analogue inputs (0-15 VDC)
- Universal Dallas 1-Wire® interface for external temperature sensors 18DS20 and other 1-Wire equipment

Serial Interface

- RS-232 (DSub-9 male)
- 600-115'200 baud rate, 7-8 bit, Odd/Even/None Parity

USB Interfaces

- Two USB host ports, can be programmed for different applications

Network Interfaces

- WiFi 802.11 b/g/n, 2.4 GHz
- RJ45 10/100 Mbit auto detect
- IPV4, IPV6 capable
- TCP/IP, UDP, ICMP, DHCP, SNMP, CGI, HTTP web server for control, status and configuration

Status Display

- 11 LED status indicators

Power Supply Input

- 9-30 VDC, 2.5 Watt max.

Case

- High quality plastic, DIN Rail mount
- 4.13" x 3.34" x 1.1", 103mm x 85mm x 31mm

Warranty

- Two years

Environmental

Operating Environment

0 to +50°C / 32 to 122°F

Storage Conditions

0 to +70°C / 32 to 158°F

0 - 70% relative humidity, non-condensing

Certifications/compliant with

CE (A&B), RTT&E, FCC (A&B), RoHS

Ordering Information

2016.9187P Barionet 1000 NoPSU

For commercial related questions (distributors contacts, price list, business opportunities) please contact

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For technical inquiries (problem reports, request for documentation, etc.) please contact

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