

BARIONET 1000

The BARIONET 1000 from Qibitronics is a Linux based universal, programmable I/O device server with a web server, Modbus/TCP and SNMP support, serial port, USB interface, WiFi connection, analog and digital I/Os, Relays and Dallas 1-wire support - and it is IPv6 capable.

Summary

- IPv6 capable
- Upgraded A/D Convertors
- USB Host Ports
- Classic Barionet Case
- 2 year warranty
- Developed in Switzerland, manufactured in the EU



Application

- Data Centers
- Construction Sites
- Battery Monitoring
- Transportation Supervision
- Industrial and Agricultural Storage
- Remote utility metering and reading
- many more

Functionalities

- IPv4 / IPv6 stack
- Monitor IO, issue XML/SOAP on change
- Allow switching of relay via cgi commands
- IO control via Web Page
- 16M flash, 64M DRAM
- One 10/100 Ethernet port
- WiFi 802.11 b/g/n, 2.4Ghz
- Two Relay outputs
- Four open collector (digital) output
- 8 contact closure inputs, 4 of these analogue capable
- Interface for temperature sensor – Dallas 1-wire 18DS20
- DB9 RS-232 Serial port
- Two USB ports
- Supply Voltage (9-30 VDC)

PRODUCT Name

Technical Specification

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)
- Extension bus connectors with Dallas 1-Wire® capability for external temperature sensors 18DS20

Serial Interface

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

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, XML, SOAP, Modbus TCP, SNMP, CGI, HTTP web server
- for control, status and configuration
- LinuQuick™ auto configuration framework

Status Display

- 6 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 and Certifications

- Operation Environment: 0 to +50°C / 32 to 104°F
- Storage Conditions: 0 to +70°C / 32 to 158°F
- Both 0-70% relative humidity, non-condensing
- Certifications: FCC, CE