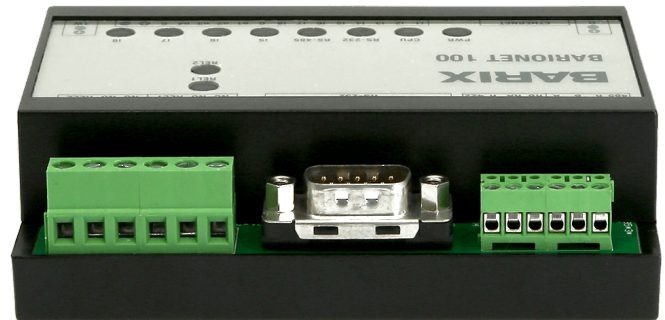
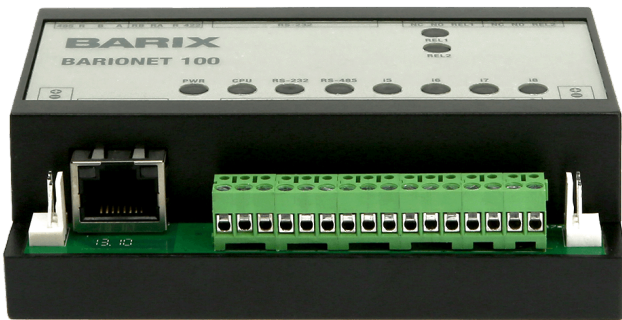


BARIX

Barionet 100

Two serial ports, 2 relay and 4 digital outputs, 4 digital and 4 digital + analog inputs and Dallas 1-wire support, UL listed.



The Barionet 100 is a low cost, flexible and multiprotocol capable I/O device server which bridges the physical world of sensors and activators with IP Automation and IT management systems.

Speaking both SNMP and Modbus/TCP as well as universal ASCII protocols, the Barionet devices are easily integrated into monitoring and management systems.

The Barionet is a programable network controller, via BCL (Barix Control Language) programming the functionality of the device can be expanded/customized. The development kit is available for free, downloadable with the firmware.

Applications

- Environmental monitoring, logging and alarming
- Access Control/Door control
- Temperature monitoring, logging and HVAC control
- Contact closure monitoring
- PV power management
- Automation and remote control via network

Features

- Relay Output (2x250VAC, 5A max)
- Digital Inputs (4)
- Open Collector (digital) Outputs (4x24VDC)
- Analog (0..5VDC) Input (4)
- RS-232 Serial Port (1)
- RS-422/485 Serial Port (1)
- Supply Voltage (9-30VDC)
- One Dallas 1-wire interface with support for up to 50 temperature sensors or one RTC chip
- Wiegand Interface Input (2)
- Control interfaces: HTTP/CGI, TCP, UDP, SNMP, Modbus/TCP
- IO capabilities extendable via Barionet extension units

Technical Specifications

I/O Interfaces

- 2 relay outputs (250 VAC, max. 5 A)
- 4 digital inputs (0..12 V), configurable pullups
- 4 universal inputs (analog 0..5/10 V or digital 0..12 V) with configurable pullups
- 4 digital outputs (open collector, 24 V 0.1 A)
- 2 Wiegand interfaces
- 1 Dallas 1-Wire® capability

Serial Interfaces

- 1 RS-232 * (DSub-9 male, RX/TX only)
- 1 RS-422/485 * (2/4-wire)
- 300..19'200 Baud, 7/8 bit, Odd/Even/No par

Network Interface

- RJ45 10/100 Mbit Ethernet (Autodetect)
- TCP/IP, UDP, ICMP, DHCP, AutoIP, IPzator™, XML, SOAP, Modbus/TCP, SNMP, CGI, HTTP web server for control, status and configuration

Misc

- 8+2 LED status indicators

Power input

- 9..30 VDC or 12..24VAC
- 4 Watt max.

Case

- high quality plastic, 160 g, , DIN-rail mount.
- Dimensions: 105 mm x 85 mm x 31 mm (4.13" x 3.34" x 1.1")

MTBF

- Min. 850 000h acc. to MIL217F at 25°C
- ambient temperature

User Interface

- browser based (integrated webserver),
- network control API

Environmental

Operating Environment

0 to +50°C / 32 to 122°F

Storage Conditions

0 to +70°C / 32 to 158°F

both 0 - 70% relative humidity, non-condensing

Certifications

CE, RoHS, others in examination

Ordering Information

2003.9014 Barionet 100



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