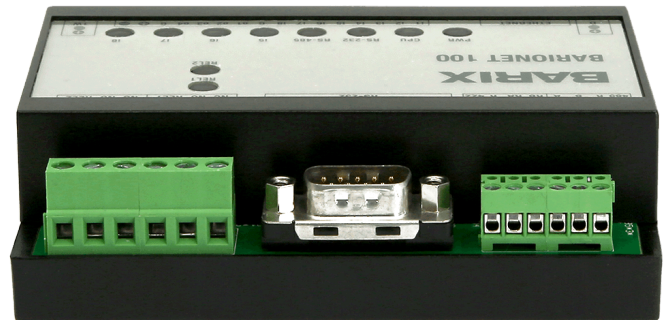
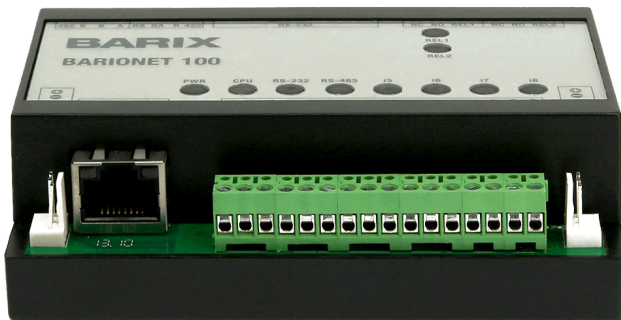


Barionet 100

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 programmable 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

2003.9032 Barionet 100 NoPSU Package (OEM Package)

2004.9044 Barionet 100 accessory X8 Extension

2005.9048 Barionet 100 accessory IO12 Extension

2004.9041 Barionet 100 accessory R6



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

**Barix
AG**

Limmatstrasse 21, 8005 Zürich, Switzerland
Phone: +41 434 33 22 11
www.barix.com



Direct
Link

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