

# BARIX

THE VOICE OF SIMPLICITY

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## 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



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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.

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### Applications

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

### Features

- Relay Output (2x250VAC, 5A)
  - 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)
  - Wiegand Interface Input (2)
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# Technical Specifications

## I/O Interfaces

- 2 relay outputs (240 VAC 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 Barix extension bus connectors with Dallas 1-Wire® capability

## Serial Interfaces

- 1 RS-232 \* (DSub-9 male, RX/TX only)
- 1 RS-422/485 \* (2/4-wire)
- \* 600..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

- 12..24 VDC (±20%)

## Case

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

## MTBF

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

## User Interface

- browser based (integrated webserver), serial port or ethernet control API

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## Environmental

### Operating 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

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## Certifications/compliant with

FCC (A and B), CE (A and B)

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## Ordering Information

2003.9014 Barionet 100

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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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