

BARIX

THE VOICE OF SIMPLICITY

BARIONET 50

Two serial ports, 4 digital inputs, 4 relay outputs and Dallas 1-wire support



The Barionet 50 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.

Applications

- Temperature monitoring, logging and HVAC control
- Contact closure monitoring
- PV power management

Features

- Relay Output (4x24V, 0.5A)
 - Contact Closure Input (4)
 - RS-232 Serial Port (1)
 - RS-485 Serial Port (1)
 - Supply Voltage (9-30VDC)
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Technical Specifications

I/O Interfaces

- On detachable screw terminal blocks:
- 4 relay outputs (30 VDC, 0.5 A)
- 4 digital inputs (dry contacts)
- Dallas 1-Wire® interface

Serial Interfaces

- RS-232 (DSub-9 male, 5-wire RXD, TXD, RTS, CTS, GND), RS-485 on detachable screw terminal block as well as on 4 pin extension connector, both with serial speeds from 300 bps to 230 kbps (asynchronous)

Network Interface

- RJ45 10/100 Mbit Ethernet (Autodetect)

Supported protocols

- TCP/IP, UDP, ICMP, IGMP, AutoIP, IPzator™, DHCP, CGI, HTTP web server for control, status and configuration.

API

- Modbus/TCP, SNMP, CGI, UDP/TCP based ASCII protocol

Misc

- 8 LED status indicators
- Extension connector (4 pin: power and RS-485)

Power input

- 9..30 VDC, 4 Watt max.

Case

- high quality plastic, 135 g., DIN-rail mount.
- 4.13" x 3.34" x 1.25", 105 mm x 85 mm x 31 mm

MTBF

- Min. 800 000h acc. to MIL217F at 25°C ambient temperature

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

Certifications/compliant with

FCC A, CE A, RoHS compliant (lead free)

Ordering Information

2008.9091 Barionet 50

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
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