

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)
-

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 **support@barix.com**

Barix AG – Seefeldstrasse 303 – CH-8008 Zurich – info@barix.com – www.barix.com
Phone: +41 43 43322 11 – Fax: +41 44 2742849



© Barix AG 2013, all rights reserved. All information is subject to change without notice.
All mentioned trademarks belong to their respective owners and are used for reference only. Product sheet V3.0
