

BARIX

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.

The Barionet50 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 (4)
- Contact Closure Input (4)
- RS-232 Serial Port (1)
- RS-485 Serial Port (1)
- Dallas 1-wire interface (1)
- Supply Voltage (9-30VDC)
- Control interfaces: HTTP/CGI, TCP, UDP, SNMP, Modbus/TCP
- IO capabilities extendable via Barionet extension units

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, with support for 50*DS18B20 sensors, free programable for other 1-wire devices

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)

Misc

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

Network Interface

- RJ45 10/100 Mbit Ethernet (Autodetect) with 2 status LEDs

Supported protocols

- TCP/IP, UDP, ICMP, IGMP, AutoIP, IPzator™, DHCP, SNMP, SYSLOG, CGI, HTTP web server for control, status and configuration
- API/control interfaces: Modbus/TCP, SNMP, CGI, UDP/TCP based ASCII protocol

Power input

- 9..30 VDC, 4 Watt max.

Case

- high quality plastic, 135 g, DIN-rail mount.
- Dimensions: 105 mm x 85 mm x 32 mm (4.13" x 3.34" x 1.25")

MTBF

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

Environmental

Operating Environment

0 to +50°C / 32 to 122°F

Storage Conditions

0 to +70°C / 32 to 158°F

Certifications

CE, RoHS, others in examination

Ordering Information

2008.9091 Barionet 50

2004.9044 Accessories X8 Extension

2008.9091 Accessories IO 12 Extension

2004.9041 Accessories Barix 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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