

Anybus X-gateway – AB7839

Ethernet/IP Adapter/Slave - Modbus RTU Slave

The Anybus X-gateway copies I/O-data in both directions thus enabling data exchange between the two networks. Default I/O configuration is 20 bytes Input and 20 bytes Output. Changing default settings is very simple and is carried out using the RS232 configuration port and a standard terminal interface on a PC, such as Hyper Terminal for Windows.



The Ethernet interface consists of an embedded Ethernet/IP 10/100 Mbit/s interface with IT functionality such as WEB-server, SSI-scripts, Flash file system, FTP-server, Email client, Telnet etc. It is possible to build web pages displaying and controlling a factory floor process with data from the other connected network. It is built on a dedicated 32 bit RISC micro processor (+60 mips) ensuring fast and secure Ethernet performance. The EtherNet/IP interface module is certified by the ODVA and has proven conformance and interoperability with leading PLC's, HMI's etc

The Modbus RTU Slave interface is implemented according to Modbus Protocol ref guide (PI-MBUS-300). All data is mapped to 3x and 4x Modbus areas meaning the Input Status and Output Register Word areas. The Modbus RTU standard baudrate is 19200 Bit/s but can be modified on the gateway between 1200 Bit/s to 57 600 Bit/s.

KEY FEATURES

- Ethernet 10/100 Mbit/s twisted pair RJ45 connection
- TCP/IP settings configurable with web-page, Configuration Tool, DHCP, ARP or with DIP switches
- Ethernet/IP level 2 I/O Server CIP
- 1.4 Mbyte storage space on Flash disk
- Support for AnyBus IPconfig utility for easy TCP/IP set up
- SSI scripts used for easy display/control of process data on webpages
- Gateway diagnostics via WEB-pages
- Supported Modbus RTU functions: 1, 2, 3, 4, 5, 6, 8, 15, 16, 22, 23
- Modbus RTU transmission media RS485

TECHNICAL SPECIFICATIONS

Size: 126 mm x 110 mm x 42 mm

Power Supply: 24 VDC ($\pm 10\%$)

Temperature: 0-65°C

Current Consump: max 300 mA

I/O Input: Default 20 bytes, max 512 bytes

I/O Output: Default 20 bytes, max 512 bytes

Mech Rating: IP20/Nema1

Config Method: Windows Hyper Terminal

UL certification: E203225, Listed 67AM, UL-1604 Class 1, Div 2, GP
A, B, C, D, Temp Code T4

ATEX certification: ATEX 135419, II 3 G, EEx nL IIC T4, DEMKO 03

Power supply connector: 2-pole 5.08 mm Phoenix pluggable screw connector

Ethernet/IP baudrate: 10/100 Mbit/s autodetect

Ethernet connector: RJ45

Ethernet/IP address: Any valid IP-address

Ethernet/IP config.: Configured by EtherNet/IP Scanner via EDS file
(provided by HMS)

Modbus RTU baudrate: 1200 Bit/s to 57 600 Bit/s

Modbus RTU address: Node address 1-247

Modbus RTU connector: D-sub 9-pin female

Price Group: B

Order Code: AB7839