

Anybus X-gateway – AB7840

Ethernet/IP Adapter/Slave - Modbus Plus 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 Plus interface is based on licensed chip-set and software from Modicon Inc. Supporting both the Global Database and Register mapping to 3x and 4x registers this module implements a versatile Modbus Plus interface. The Modbus Plus interface module is certified by the Modconnect and has proven conformance and interoperability with leading PLC's, HMI's etc

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
 - Modbus Plus Global Data Base Transaction, Point-to-Point commands, Read holding registers, Preset single register
- Modbus Plus Host Firmware Rev. 77

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 (max 64 bytes as Modbus Plus Global Data)

I/O Output: Default 20 bytes, max 512 bytes (max 64 bytes as Modbus Plus Global Data)

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 Plus
baudrate: 1 Mbit/s

Modbus Plus address: Node-ID and Source-ID 1-64

ModbusPlus
connector: D-sub 9-pin female

Price Group: C

Order Code: AB7840