

Anybus X-gateway – AB7838

Ethernet/IP Adapter/Slave - CANopen 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 CANopen interface is an adapter class product allowing fast data exchange. The CANopen slave's data map consists of Process Data Objects (fast data) and Service Data Objects (slow data). The data on the CANopen bus is updated when a change is made or on request from another node. The CANopen interface module is certified by the Can In Automation organisation and has proven conformance and interoperability with leading PLC's, SoftPLC'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
- CANopen PDO and SDO data objects supported
- CANopen Unscheduled data exchange support
- CANopen profile DS-301 v.4.02
- Heartbeat and node guarding support
- Customizable PDO-mapping
- Network Stor/Restore functionality

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)
CANopen baudrate:	10 kbit/s to 1 Mbit/s
CANopen connector:	D-sub 9-pin male
CANopen address:	Node address 1-99
CANopen config.:	Configured by CanOpen Master via EDS file (provided by HMS)
Price Group:	C
Order Code:	AB7838