Anybus X-gateway – AB7820

AS-Interface Master - Ethernet/IP Adapter/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 Anybus-M AS-Interface Master module supports up to 62 slaves with a maximum of 248 digital input, 186 output signals. All standard services are available including detailed diagnostics. The network interface is optically isolated and equipped with a 2 pin pluggable screw connector. The Master supports intelligent auto-configuration or manual configuration via terminal program such as Hyper Terminal for Windows.
The AS-interface module is certified by the AS Interface user organization and has proven conformance and interoperability with leading manufacturers of I/O, sensors, valves etc.

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

KEY FEATURES

■ Manages control of up to 62 AS-Interface slaves
■ 248 digital inputs and 186 digital outputs
■ Supporting AS-Interface version 2.1 (compatible to version 2.0)
■ Intelligent auto configuration support
■ 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 (ControlNet & DeviceNet)
■ 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

TECHNICAL SPECIFICATIONS

Size:	126 mm x 110 mm x 42 mm
Power Supply:	24 VDC (±10%)
Temperature:	0-65°C
Current Consump:	max 300 mA
I/O Input:	Default 20 bytes, max 64 bytes (248 digital inputs)
I/O Output:	Default 20 bytes, max 64 bytes (186 digital outputs)

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
AS-I baudrate:	167 kbit/s
AS-I connector:	2 x 2-pole 5.08 mm Phoenix pluggable screw connectors
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)
Price Group:	B
Order Code:	AB7820