

AS-Interface Master - ControlNet 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 ControlNet interface is implemented according to the ControlNet international specification for a Communication adapter (profile number 12). A connection to the AnyBus-S ControlNet module can be opened from a ControlNet scanner. The size of the connection can be up to 450 bytes in each direction. The ControlNet module can be read or written to by UCMM (Unscheduled) messages from another ControlNet adapter (slave) or scanner (master). The module is equipped with two BNC contacts for connection to ControlNet. If redundant operation is desired, both connectors are used; otherwise either connector A or B is used. The module is also equipped with a NAP (Network access port) for temporary connection of configuration tools. The minimum Network update time, (NUT), of the module is 5ms. The ControlNet 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
- Multicasts of both inputs and peer-to peer data on ControlNet
- ControlNet Media redundancy
- ControlNet Specification version: Communications Adapter profile 12

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 on ASI)
I/O Output:	Default 20 bytes, max 64 bytes (186 digital outputs on ASI)
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
ControlNet baudrate:	5Mbit/s
ControlNet MacID:	1-99
Price Group:	C
Order Code:	AB7823