Profibus Slave - 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 Profibus DP/DPV1 slave interface is implemented according to the standard IEC61158 as a modular slave, supporting all standard functionality such as Watchdog, Sync and Freeze and diagnostics. Standard DP as well as DPV1 acyclic data services (Class1/Class2) are supported. The Profibus interface module is certified by the Profibus user organization and has proven conformance and interoperability with leading PLC´s, HMI´s etc. Profibus address is set via rotary switches 0-99.

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
■ Watchdog support
■ Sync and Freeze
■ Supports PA baud rate 45.45 kbit/s
■ Multicasts of both inputs and peer-to peer data on ControlNet
■ ControlNet Media redundancy
■ ControlNet Specification version: Communications Adapter profile 12
■ Complete Profibus DP and DPV1 (Class1/Class2) slave functionality according to IEC 61158

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:	Max 244 bytes using DP / 512 bytes using DPV1
I/O Output:	Max 244 bytes using DP / 512 bytes using DPV1
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
Profibus baudrate:	9600 bit/s - 12 Mbit/s autodetect
Profibus address ran:	Node address 0-99
Profibus connector:	D-sub 9-pin female
Profibus config.:	Configured by Profibus Master via GSD file (provided by HMS)
ControlNet baudrate:	5Mbit/s
ControlNet MacID:	1-99
ControlNet connector:	Dual BNC coaxial connectors
ControlNet config.:	Configured by ControlNet Scanner via EDS file (provided by HMS)
Price Group:	C
Order Code:	AB7845