

Anybus X-gateway – AB7818

DeviceNet Scanner/Master - 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 DeviceNet Master interface can act both as a Master/Scanner and/or Adapter/Slave. The entire DeviceNet protocol is implemented into the module. The module manages control of up to 63 DeviceNet slaves. Full DeviceNet configuration can be defined and loaded into the Anybus-M module via the HMS configuration software NetTool-DN (purchased as a separate accessory) or via Rockwell's RSNetWorx.



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

- Complete DeviceNet 2.0 scanner implementation according to ODVA
- DeviceNet Group 2 Client/Server / UCMM support
- Manages up to 63 DeviceNet slaves
 - DeviceNet Configuration via AnyBus NetTool-DN or RSNetworx
 - DeviceNet Explicit peer to peer messaging, configuration consistency value. I/O Slave messaging: Bit strobe, Polling, Cyclic & Change of State (COS)
 - 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

DeviceNet baudrate: 125-500 kbit/s

DeviceNet MacID: 0-63

DeviceNet connector: 5-pole 5.08 mm Phoenix pluggable screw connector

Accessory order 018020 (NetTool-DN configuration Tool for code: DeviceNet)

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: AB7818