

DeviceNet Scanner/Master - Modbus RTU 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 RTU Slave interface is implemented according to Modbus Protocol ref guide (PI-MBUS-300). All data is mapped to 3x and 4x Modbus areas meaning the Input Status and Output Register Word areas. The Modbus RTU standard baudrate is 19200 Bit/s but can be modified on the gateway between 1200 Bit/s to 57 600 Bit/s.

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)
- Supported Modbus RTU functions: 1, 2, 3, 4, 5, 6, 8, 15, 16, 22, 23
- Modbus RTU transmission media RS485

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 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
DeviceNet baudrate:	125-500 kbit/s
DeviceNet MacID:	0-63
DeviceNet connector:	5-pole 5.08 mm Phoenix pluggable screw connector
Accessory order code:	018020 (NetTool-DN configuration Tool for DeviceNet)
Modbus RTU baudrate:	1200 Bit/s to 57 600 Bit/s
Modbus RTU address:	Node address 1-247
Modbus RTU connector:	D-sub 9-pin female
Price Group:	B
Order Code:	AB7817