Ethernet ModbusTCP Slave - J1939

This Anybus X-gateway provides connectivity between ModbusTCP and a J1939 Heavy Duty vehicle (CAN) network. The X-gateway appears as a ModbusTCP slave/server allowing a ModbusTCP master/client to read or write data from the J1939 network.

HMS provides the X-gateway with a Windows based configuration tool (BWConfig). This PC based software allows the user to map J1939 parameter (PGN) data into a range of memory addressable through the X-gateway ModbusTCP interface.

Configuration of the X-gateway is simple using BWConfig and consists of setting up an I/O table containing selected J1939 PGNs and the rate that each will be read or written from the J1939 network. BWConfig will then automatically map the I/O table to a range of addresses accessible from the X-gateway ModbusTCP interface. The configuration is downloaded from the PC to the X-gateway via an RS232 connection and is saved in FLASH memory.

Target Industries:
* Electric Power Generation
* Oil & Gas
* Marine
* Defense
* Heavy Duty, Construction & Agricultural Vehicles
* Testing & Validation
* Any Diesel Engine based system supporting J1939

KEY FEATURES

- ■ DIN-rail mountable - PE via DIN-rail
- ■ Wide power supply range (12-30 VDC)
- ■ Configuration via a Windows-based PC software tool (BWConfig)
- ■ Rugged IP20 aluminium enclosure
- ■ Supports FLASH field upgrades
- ■ UL and ATEX certification for Ex Hazardous Locations
- ■ Transmission and reception of all types of J1939 messages, including PDU1, PDU2, broadcast and destination specific.
- ■ J1939 Transport Protocol for transmission and reception of large messages (9 - 1785 bytes). Both connection based (RTS/CTS) and broadcast (BAM) are supported.
- ■ ModbusTCP 10/100 Mbit full duplex operation

TECHNICAL SPECIFICATIONS

Size:	126 mm x 110 mm x 42 mm
Power Supply:	12-30 VDC
Temperature:	0-65°C
Current Consump:	Max 300 mA
Baud Rate:	10/100 Mbit autodetect on ModbusTCP
Mech Rating:	IP20 / Nema 1
Profile Support:	SAE J1939 (CAN)
Config Method:	BW Config
Appl Interface:	CAN and Ethernet (twisted pair)
Ethernet connector:	RJ45
Config connector:	9-pole DSUB
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 connect:	2-pole 5.08 mm Phoenix pluggable screw connector
CAN J1939 connector:	5-pole 5.08 mm Phoenix pluggable screw connector
Price Group:	C
Order Code:	AB7665