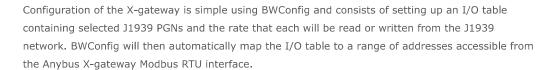


Anybus X-gateway – Modbus RTU Slave – J1939

The Anybus X-gateway J1939 Gateway provides connectivity between a Modbus RTU (serial) network and a J1939 Heavy Duty vehicle (CAN) network. The X-gateway appears as a Modbus Slave device allowing a Modbus Master to read or write data from the J1939 network.

EASY CONFIGURATION - NO PROGRAMMING REQUIRED!

HMS provides the X-gateway with a free 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 Anybus X-gateway Modbus RTU interface.



The configuration is downloaded from the PC to the Anybus X-gateway via an RS232 connection and is saved in FLASH memory.

Features and benefits

- Monitor and control data on a J1939 heavy duty vehicle network from Modbus RTU PLC system or device
- Typical applications: Electric Power Generation, Oil & Gas, Marine, Military, Heavy Duty Vehicles, Any Diesel Engine based system supporting J1939
- Max 500 bytes of I/O data in each direction
- Easy configuration via the included BWConfig Windows Software. No programming required
- Robust aluminum stand-alone housing
- Global free technical support and consultancy

Modbus RTU Slave interface

Modbus RTU network address settings made via on-board configuration switches

- · Complete Modbus RTU slave functionality
- Max 512 bytes of Input and 512 bytes of Output data
- Modbus diagnostics support
- Configuration via on-board DIP switches
- Modbus RTU baudrate 12-57,6 kbit/s
- 1x D-sub 9-pin female network connector



J1939 interface

- SAE J1939 network interface with a unique network address in accordance to the J1939-81 specification
- Max 496 bytes of I/O Input data and 492 bytes of I/O Output Data
- Up to 120 PGN's monitored by Input data points
- Up to 100 PGN's transmitted by Output data points
- Supports J1939 network baud rates of 250K and 500K
- Transmission and reception of all types of fixed-length J1939 messages, including PDU1, PDU2, broadcast and destination specific
- Monitoring of DM1 (active diagnostics) and DM2 (previously active diagnostics) messages
- · Complete network address management including address claim, protection, and yield on higher priority conflict
- Network address can be self-configurable over a range of addresses
- J1939 Transport Protocol for transmission and reception of large messages (9 1785 bytes). Both connection based (RTS/CTS) and broadcast (BAM) are supported
- Configurable CAN bus-off reset option will reset the network interface and attempt to return to online when a CAN bus-off condition is detected
- 1x 5-pole 5.08 mm Phoenix pluggable screw connector for J1939

TECHNICAL SPECIFICATIONS

Dimensions (L●W●H)	114 x 44 x 127mm or 4,49 x 1,73 x 5,00"
Weight	400g or 0,880 lbs
Operating temperature	-25 to +65 °C or -13 to +149 °F
Storage temperature	-40 to +85 °C or -40 to +185 °F
Power supply	24 VDC +/- 20% via 2-pole 5.08 mm Phoenix pluggable screw connector
Current consumption	max. 400mA (Typical 200mA)
Enclosure material	Aluminium and plastic
Installation position	Vertical / Flat*
Galvanic isolation	YES, on both BUS/Ethernet side
Mechanical rating	IP20, NEMA rating 1
Mounting	DIN-rail (EN 50022 standard)
I/O configuration	via USB port with Anybus Configuration Manager software
Certifications	CE, CULUS, RoHS

File Version	Size	Read online

Ordering information

Order Code	AB7612
Included components	Gateway Quick start documentation USB configuration cable

	Power supply not included
	Configuration software is available for download.

³ year guarantee. For purchasing instructions and terms and conditions, see: <u>How to buy</u>

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