Anybus X-gateway – Interbus FO Slave - Modbus RTU Slave

A protocol converter that connects Interbus FO and Modbus RTU control systems

Item number: AB7890-F

The Anybus X-gateway Interbus FO Slave to Modbus RTU Slave enables you to connect any Interbus FO system to any Modbus RTU control system. Anybus gateways ensure reliable, secure, high-speed data transfers between different industrial networks while being easy to use.

Features and benefits

- **Reach new markets**
  Target new markets using different protocols without needing to change your hardware or software, thereby decreasing your time to market and development costs.
- **Slim hardware design**
  The gateway is designed for IP20 and DIN-rail mounting, enabling you to install it with ease, close to connected devices, thereby reducing wiring requirements.
- **Easy configuration – No programming required!**
  Quickly establish the connection between the two networks with the included Anybus Configuration Manager software. No programming skills are required for the setup process.
- **Trusted partner**
  Anybus has a long history of working with all the major network organizations to ensure compliant, high-performing, and compatible products.
- **No PLC card slot needed**
  The gateway does not use a card slot in the control system, leaving room for other equipment.
- **3-year warranty**
  The gateway is designed to be robust and long-lasting. A 3-year guarantee is provided
- **Increased PLC performance**
  The gateway allows for fast transfer of cyclic I/O data between the two networks, offloading your PLC from working with additional calculations.
- **Life cycle management**
  HMS maintains every part of the gateway, including network updates, throughout the product's lifecycle.

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General

Net Width (mm)	44
Net Height (mm)	127
Net Depth (mm)	114
Net Weight (g)	400
Packed Width (mm)	17
Packed Height (mm)	9
Packed Depth (mm)	19
Packed Weight (g)	600
Operating Temperature °C Min	-25
Operating Temperature °C Max	65
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Current Consumption Type Value at Vcc Nom (mA)	200mA @ 24V DC
Current Consumption Max value at Vcc nom (mA)	400mA @ 24V DC
Input Voltage (V)	24V DC (-20% to +20%)
Power Connector	2-pin, 5.08 Phoenix plug connector
Reverse Polarity Protection	Yes
Short Circuit Protection	Yes
Isolation	TRUE

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General

Mounting	DIN-rail (EN 50022 standard)
Housing Materials	Aluminium, Plastic
Packaging Material	Cardboard

Identification and Status

Product ID	AB7890-F
Country of Origin	Sweden
HS Code	8517620000
Dual Usage	No

Physical Features

Connectors / Input / Output	1x HFBR-2505C and 1x HFBR-1505C Fiber Optic network connectors, 1x D-sub 9-pin female, USB-B Config port
DIP & Rotary Switches	dip switch Termination and configuraiton
Contains Battery	No

INTERBUS Features

INTERBUS Mode	Slave
INTERBUS Supported Functionality	EN 50170; Fiber Optic conform to IEC874-2 and DIN47258; Transmission Media: Plastic fibre, core 980um, clad 1000um: HCS (glass) fibre, core 200um, clad 230 um;PCP V.2.0. (0, 1, 2, or 4 words);Automatic slave address detection
INTERBUS Baud Rate	500 kbit/s â€“ 2 Mbit/s
INTERBUS Input Data Size	20 bytes of process data (512 bytes with PCP
INTERBUS Output Data Size	20 bytes of process data (512 bytes with PCP

Modbus-RTU Features

Modbus-RTU Mode	Slave mode
Modbus-RTU Supported Functionality	Modbus-RTU compliant passive slave node operation; 256 Modbus registers in each direction; Modbus diagnostics
Modbus-RTU Functions Supported	1, 2, 3, 4, 5, 6, 15, 16, 22, 23
Modbus-RTU Baud Rate	1200bps - 57600bps

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Modbus-RTU Features

Modbus-RTU Input Data Size	512 bytes
Modbus-RTU Output Data Size	512 bytes

Certifications and Standards

Protection Class IP	IP20
RoHS Compliant	Yes
Recycle / Disposal	TRUE
Product Certifications	CE
UL Information	E214107: Ord.Loc UL508, CSA C22.2 NO. 142
Environment	EN 61000-6-4, EN 55016-2-3 Class A, EN 55022 Class A, EN 61000-6-2, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6
WEEE Category	IT and telecommunications equipment