

Anybus X-gateway - CANopen Slave - Modbus TCP Server

Item number: AB7640-F

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



A protocol converter that connects CANopen and Modbus TCP control systems

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 |
| Isolation | TRUE |
| Mounting | DIN-rail (EN 50022 standard) |
| Housing Materials | Aluminum, Plastic |

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General

| | |
|--------------------|-----------|
| Packaging Material | Cardboard |
|--------------------|-----------|

Identification and Status

| | |
|---|-------------------|
| Product ID | AB7640-F |
| Country of Origin | Sweden |
| HS Code | 8517620000 |
| Export Control Classification Number (ECCN) | 5A991.b.1 |
| Supply Risk Factor ERP | Used in Volume 01 |

Physical Features

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|-----------------------------|--|
| Connectors / Input / Output | 2xRJ45, 1x D-sub 9-pin male, USB-B Config port |
| DIP & Rotary Switches | 3x Rotary CAN Address + Baudrate |

CANopen Features

| | |
|---------------------------------|-------------------------|
| CANopen Mode | Slave mode |
| CANopen Baud Rate | 10 kbit/s - 1000 kbit/s |
| CANopen Supported Functionality | PDO, SDO;DS301 v4.02 |
| CANopen Configuration File | EDS available |
| CANopen Input Data Size | 512 bytes |
| CANopen Output Data Size | 512 bytes |

Modbus-TCP Features

| | |
|------------------------------------|---|
| Modbus-TCP Mode | Slave / Server |
| Modbus-TCP Supported Functionality | Modbus specification V1.0; Daisy chaining; QoS; Modbus TCP class 0, class 1 and partially class 2 slave functionality |
| Modbus-TCP Bandwidth | 10/100 Mbit/s |
| Modbus-TCP Input Data Size | 512 bytes |
| Modbus-TCP Output Data Size | 512 bytes |

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Certifications and Standards

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|----------------------------|--|
| Protection Class IP | IP20 |
| Recycle / Disposal | TRUE |
| 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 |

