

Anybus X-gateway – CC-Link IE Field Slave - Modbus RTU Slave

Item number: AB7964-F

The Anybus X-gateway CC-Link IE Field Slave to Modbus RTU Slave enables you to connect any CC-Link IE Field control 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.



A protocol converter that connects CC-Link IE Field and Modbus RTU 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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Identification and Status

| | |
|---|------------|
| Product ID | AB7964-F |
| Country of Origin | Sweden |
| HS Code | 8517620000 |
| Export Control Classification Number (ECCN) | 5A991.b.4b |

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%) |

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General

| | |
|--------------------|------------------------------------|
| Power Connector | 2-pin, 5.08 Phoenix plug connector |
| Isolation | TRUE |
| Mounting | DIN-rail (EN 50022 standard) |
| Housing Materials | Aluminum, Plastic |
| Packaging Material | Cardboard |

Physical Features

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|-----------------------------|--|
| Connectors / Input / Output | 2x RJ45, 1x D-sub 9-pin female, USB-B Config port |
| DIP & Rotary Switches | 1x 8-dip switches for Station Number, dip switch Termination and configuraiton |

CC-Link IE Field Features

| | |
|--|---|
| CC-Link IE Field Mode | Slave |
| CC-Link IE Field Supported Functionality | CC-Link IE Field Network Intelligent Device Station |
| CC-Link IE Field Bandwith | 1 Gbit/s fixed |
| CC-Link IE Field Input Data Size | 512 bytes |
| CC-Link IE Field Output Data Size | 512 bytes |

Modbus-RTU Features

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

Certifications and Standards

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|---------------------|------|
| Protection Class IP | IP20 |
|---------------------|------|

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Certifications and Standards

| | |
|---------------------------|--|
| 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 |

