

## Anybus X-gateway – EtherNet/IP Scanner – Modbus TCP Server

Item number: AB7669-F

The Anybus X-gateway EtherNet/IP Master to Modbus TCP Server enables you to connect any EtherNet/IP device or equipment to Modbus TCP control systems. It can be used when there is no existing EtherNet/IP 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 EtherNet/IP devices to Modbus TCP PLCs*

### 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)                                    | 420                                |
| Packed Width (mm)                                 | 155                                |
| Packed Height (mm)                                | 75                                 |
| Packed Depth (mm)                                 | 200                                |
| 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<br>Value at Vcc Nom (mA) | 200mA @ 24V DC                     |
| Current Consumption Max<br>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                                         | Yes                                |

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## General

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

## Identification and Status

|                                             |            |
|---------------------------------------------|------------|
| Product ID                                  | AB7669-F   |
| Successor                                   | ABC3361-A  |
| Country of Origin                           | Sweden     |
| HS Code                                     | 8517620000 |
| Dual Usage                                  | No         |
| Export Control Classification Number (ECCN) | 5A991.b.1  |

## Physical Features

|                             |                                |
|-----------------------------|--------------------------------|
| Connectors / Input / Output | 2xRJ45;USB-B Config port       |
| DIP & Rotary Switches       | 8 Dip switches for IP settings |
| Contains Battery            | No                             |

## EtherNet/IP Features

|                              |                  |
|------------------------------|------------------|
| EtherNet/IP Mode             | Scanner / Master |
| EtherNet/IP No. Of Adapters  | 64               |
| EtherNet/IP Bandwidth        | 10/100MBit       |
| EtherNet/IP Input Data Size  | 509 bytes        |
| EtherNet/IP Output Data Size | 505 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 |

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## Modbus-TCP Features

|                             |               |
|-----------------------------|---------------|
| Modbus-TCP Bandwidth        | 10/100 Mbit/s |
| Modbus-TCP Input Data Size  | 512 bytes     |
| Modbus-TCP Output Data Size | 512 bytes     |

## Certifications and Standards

|                            |                                                                                                                                          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Protection Class IP        | IP20                                                                                                                                     |
| RoHS Compliant             | Yes                                                                                                                                      |
| Recycle / Disposal         | Yes                                                                                                                                      |
| CE                         | Yes                                                                                                                                      |
| FCC                        | No                                                                                                                                       |
| UL                         | Yes                                                                                                                                      |
| UL Information             | E214107: Ord.Loc UL508, CSA C22.2 NO. 142                                                                                                |
| EMC                        | Yes                                                                                                                                      |
| 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 |
| Waste Certification (WEEE) | Yes                                                                                                                                      |
| WEEE Category              | IT and telecommunications equipment                                                                                                      |