

## Anybus X-gateway – Modbus RTU Slave – J1939

Item number: AB7612-B

The Anybus X-gateway Modbus RTU Slave to J1939 enables you to connect any Modbus RTU system to any J1939 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 Modbus RTU and J1939 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.
- ✓



| General                                        |                                    |
|------------------------------------------------|------------------------------------|
| Net Width (mm)                                 | 127                                |
| Net Height (mm)                                | 44                                 |
| Net Depth (mm)                                 | 114                                |
| Net Weight (g)                                 | 445                                |
| Packed Width (mm)                              | 18                                 |
| Packed Height (mm)                             | 7                                  |
| Packed Depth (mm)                              | 14                                 |
| Packed Weight (g)                              | 525                                |
| 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                               |



## General

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

## Identification and Status

|                   |            |
|-------------------|------------|
| Product ID        | AB7612-B   |
| Country of Origin | Sweden     |
| HS Code           | 8517620000 |
| Dual Usage        | No         |

## Physical Features

|                  |    |
|------------------|----|
| Contains Battery | No |
|------------------|----|

## Certifications and Standards

|                        |                                     |
|------------------------|-------------------------------------|
| Protection Class IP    | IP20                                |
| RoHS Compliant         | Yes                                 |
| Recycle / Disposal     | TRUE                                |
| Product Certifications | CE, UL, WEEE, RoHS                  |
| Environment            | EN 55011, EN 61000-6-2              |
| WEEE Category          | IT and telecommunications equipment |