# Anybus X-gateway – DeviceNet Scanner - Interbus CU Slave

**Item number: AB7814-F**

The Anybus X-gateway DeviceNet Master to Interbus CU Slave enables you to connect any DeviceNet device or equipment to Interbus control systems. It can be used when there is no existing DeviceNet 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 DeviceNet devices to Interbus CU 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) | 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** | AB7814-F |
| **Country of Origin** | Sweden |
| **HS Code** | 8517620000 |
| **Dual Usage** | No |
| **Export Control Classification Number (ECCN)** | 5A991.b.4b |

## Physical Features

| | |
|---|---|
| **Connectors / Input / Output** | 1x 5-pin, 5.08 Phoenix plug connector, 1x D-sub 9-pin male and 1x D-sub 9-pin female, USB-B Config port |
| **DIP & Rotary Switches** | 1x 8-dip switch DEV MacID + Baud rate |
| **Contains Battery** | No |

## DeviceNet Features

| | |
|---|---|
| **DeviceNet Mode** | Scanner / Master |
| **DeviceNet Supported Functionality** | Communications Adapter profile 12; Bit strobe; Polling; Cyclic; COS; LiveList |
| **DeviceNet No. Of Adapters** | 63 |
| **DeviceNet Baud Rate** | 125-500 kbit/s |
| **DeviceNet Input Data Size** | 512 bytes |
| **DeviceNet Output Data Size** | 512 bytes |

## INTERBUS Features

| | |
|---|---|
| **INTERBUS Mode** | Slave |
| **INTERBUS Supported Functionality** | EN 50170; PCP V.2.0. (0, 1, 2, or 4 words); Automatic slave address detection |

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## INTERBUS Features

| | |
|---|---|
| **INTERBUS Baud Rate** | 500 kbit/s – 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 |

## Certifications and Standards

| | |
|---|---|
| **Protection Class IP** | IP20 |
| **RoHS Compliant** | Yes |
| **Recycle / Disposal** | TRUE |
| **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 |