Anybus

BY HMS NETWORKS

Anybus X-gateway – DeviceNet Adapter - PROFINET-IO Device

Item number: AB7653-F

The Anybus X-gateway PROFIBUS Slave to PROFINET-IO Device enables you to connect any PROFIBUS system to any PROFINET-IO 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 PROFIBUS and PROFINET-IO 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.

HMS

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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	AB7653-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

Connectors / Input / Output	2x RJ45, 1x 5-pin, 5.08 Phoenix plug connector, USB-B Config port
DIP & Rotary Switches	1x 8-dip switch DEV MacID + Baud rate

DeviceNet Features

DeviceNet Mode	Adapter / Slave
DeviceNet Configuration File	EDS available
DeviceNet Baud Rate	125-500 kbit/s
DeviceNet Input Data Size	512 bytes
DeviceNet Output Data Size	512 bytes

PROFINET Features

PROFINET Mode	Slave
PROFINET Supported Functionality	Soft Real-Time (RT); Max 64 slots / 1 sub-slot; DCP support; Acyclic Data exchange
PROFINET Configuration File	GSDML available
PROFINET Bandwidth	10/100Mbit full/half duplex down to 1ms
PROFINET Input Data Size	512 bytes
PROFINET Output Data Size	512 bytes

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Certifications and Standards

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