Anybus CompactCom 40 Module PROFINET-IRT - Transparent Ethernet



Enable communication between industrial devices and PROFINET networks

Item number: AB6635-E

The Anybus CompactCom 40 PROFINET-IRT - Transparent Ethernet is a communication interface that can be embedded into any industrial device or machine to enable communication with PROFINET networks. The Transparent Ethernet channel lets you utilize high-end processors for custom IT functions. The module includes connectors for a fast time to market.

Features and benefits

High performance

Powered by the award-winning NP40 network processor, the Anybus CompactCom guarantees fast data transfer and low latency, making it ideal for the most demanding industrial applications.

Quick time to market

HMS provides comprehensive support throughout the integration journey, ensuring a quick time to market.

Life cycle management

HMS maintains every part of the Anybus CompactCom, including network updates, throughout the product's lifecycle.

Easy to install

Installing the Anybus CompactCom module is a breeze—simply slide it into the host slot. This user-friendly process can be completed by the end-user.

Transparent Ethernet channel

Includes a Transparent Ethernet channel, allowing users to tap into the potential of their high-end processors for developing personalized IT functions.

Versatile Event-Based Hardware Interfaces

Enjoy fast and flexible event-based application hardware interfaces with the option to choose from 8/16-bit parallel or high-speed SPI, and I/O via the shift register interface.

PNO pre-certified

Pre-certified with PNO for network compliance, enabling faster network certification.

Complete communication interface

The Anybus CompactCom module is a complete communication interface, equipped with connectors that simplify integration. Enjoy an all-in-one solution with easy interchangeability.

Robust Security Measures

Mandatory software signatures prevent unauthorized downloads to the Anybus CompactCom, while robust encryption techniques safeguard against illicit copying.

Supports hardware changes

Possible to swap or install late in the manufacturing process.

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General

Net Width (mm)	50
Net Height (mm)	22
Net Depth (mm)	52
Net Weight (g)	29
Packed Weight (g)	29
Operating Temperature °C Min	-40
Operating Temperature °C Max	70
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Current Consumption Class (CompactCom series)	B
Current Consumption Max value at Vcc nom (mA)	up to 500 mA
Input Voltage (V)	3.3 VDC, +/- 0.15 VDC
Application Interface	Parallel 8/16-bit (30 ns access). High speed SPI (baudrate configurable up to 50 MHz). Shift register interface (cyclical update time 82 µs). UART (for backwards compatibility with 30-series, max 625kbps).
Isolation	Galvanic Isolation
Content of Delivery	CompactCom M40 module
Mounting	PCB mounting via a customized CompactFlash connector
Warranty (years)	1 year

Identification and Status

Product ID	AB6635-E
Predecessor	AB6635-C, AB6635-D

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Identification and Status

Country of Origin	Sweden
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN) (Applies only to the U.S)	3A991.a.2

Physical Features

Connectors / Input / Output	2x RJ45
LED Indicators	Integrated on front. Indicates Module Status, Network Status and Link/Activity.
Form Factor	Module
Contains Battery	No

PROFINET Features

PROFINET Mode	Slave
PROFINET Supported Functionality	Supports RT and IRT functionality. Generic and PROFINET specific diagnostic support. SNMP agent. Web server w. customizable content. FTP server. Email client. Server Side Include (SSI) functionality. JSON functionality. PROFIenergy profile supported. PROFINET Fast Start Up. Media Redundancy Protocol (MRP). S2 system redundancy.
PROFINET Conformance Class	Class A, Class B, Class C
PROFINET Configuration File	GSDML available
PROFINET Bandwidth	10/100 Mbit/s
PROFINET Input Data Size	1440 bytes
PROFINET Output Data Size	1440 bytes

Certifications and Standards

RoHS Compliant	Yes
UL Information	E214107