Anybus®
BY HMS NETWORKS

Anybus CompactCom 40 Brick PROFINET IIoT Secure

Item number: AB6689-C

Anybus CompactCom 40 PROFINET IIoT Secure is a communication interface that can be embedded into any industrial device or machine to enable communication with PROFINET IRT and IIoT protocols. The pluggable design enables integration late in the assembly process, the addition of specific network connectors, and compliance with protection class requirements.

Enable communication between industrial devices, PROFINET IRT & IIoT protocols

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.

Fully embedded – meet IP requirements
The brick can be fully embedded within your product, conserving valuable space, and enabling you to provide IP class-certified protection.

Reap the benefits of IIoT
Use OPC UA or MQTT to easily pass data to higher-level systems for analysis and reap the benefits of IIoT, such as predictive maintenance or optimization of devices and machines.

Supports hardware changes
Possible to swap or install late in the manufacturing process.

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 for PNO network compliance, enabling faster network certification.

Design flexibility
Add your own connectors and peripherals, offering design flexibility that matches your unique needs.

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

Advanced security measures
Prioritizing security, it incorporates IEEE 802.1AR compliance, a security chip, secure boot, root of trust, and employs secure protocols for encrypting data exchanges.

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General

Net Width (mm)	50
Net Height (mm)	22
Net Depth (mm)	52
Net Weight (g)	20
Packed Width (mm)	8
Packed Height (mm)	3
Packed Depth (mm)	7
Packed Weight (g)	20
Operating Temperature °C Min	-40
Operating Temperature °C Max	85
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Input Voltage (V)	3.3 VDC, +/- 0.15 VDC
Application Interface	8/16-bit parallel (30 ns access) High speed SPI, baudrate configurable up to 20 MHz I/O (shift register interface, cyclical update time 82 µs) UART (for backwards compatibility with 30-series, max 625kbps)
Content of Delivery	CompactCom B40 module
Mounting	PCB mounting via a customized CompactFlash connector
Warranty (years)	1 year

Identification and Status

Product ID	AB6689-C
Country of Origin	Sweden

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Identification and Status

HS Code	8517620000
Export Control Classification Number (ECCN)	EAR99
Supply Risk Factor ERP	Volume not defined yet

Physical Features

Form Factor	Brick (pluggable)