

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 a security chip, secure boot, root of trust, and employs secure protocols for encrypting data exchanges.

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General

Related Accessories	AB6666-B
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
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).
Content of Delivery	CompactCom B40 module
Mounting	PCB mounting via pin header

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General	
Warranty (years)	1 year
Identification and Status	
Product ID	AB6689-C
Country of Origin	Sweden
HS Code	8517620000
Dual Usage	No
Physical Features	
Form Factor	Brick (pluggable)
Contains Battery	No
Certifications and Standards	
RoHS Compliant	Yes
Product Certifications	RoHS, UL
UL Information	E214107