

Anybus CompactCom 40 Brick EtherNet/IP IloT Secure

Item number: AB6690-C

Anybus CompactCom 40 EtherNet/IP IloT Secure is a communication interface that can be embedded into any industrial device or machine to enable communication with EtherNet/IP and IloT 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,
EtherNet/IP & IloT 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 IloT**
Use OPC UA or MQTT to easily pass data to higher-level systems for analysis and reap the benefits of IloT, 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.
- ✓ **ODVA pre-certified**
Pre-certified with ODVA for 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.

Anybus CompactCom 40 Brick EtherNet/IP IIoT Secure



General	
Net Width (mm)	36
Net Height (mm)	8
Net Depth (mm)	36
Net Weight (g)	25
Packed Width (mm)	8
Packed Height (mm)	3
Packed Depth (mm)	8
Packed Weight (g)	25
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	AB6690-C
Country of Origin	Sweden

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Identification and Status

HS Code	8517620000
Export Control Classification Number (ECCN)	3A991.a.2
Supply Risk Factor ERP	Volume not defined yet

Physical Features

Form Factor	Brick (pluggable)
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