

Anybus CompactCom 40 Module Without Housing - PROFINET IIoT Secure



Item number: AB6750-C

Anybus CompactCom 40 IIoT Secure without housing is a communication interface that can be embedded into any industrial device or machine to enable communication with PROFINET IRT and IIoT protocols. It exchanges data with PLCs but uses OPC UA or MQTT to transmit data to IT systems. The module version includes connectors for a fast time to market.

*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.
- ✓ **Custom look**
Delivered without housing, enabling the Anybus CompactCom to be securely integrated behind the front panel of your device, resulting in a customized appearance and seamless design integration.
- ✓ **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 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.
- ✓ **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) | 37 |
| Net Height (mm) | 16 |
| Net Depth (mm) | 51 |
| Net Weight (g) | 19 |
| Packed Weight (g) | 19 |
| 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 |
| 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) |
| Isolation | Galvanic Isolation |
| Content of Delivery | CompactCom M40 module (without housing) |
| Mounting | PCB mounting via a customized CompactFlash connector |
| Warranty (years) | 1 year |
| Identification and Status | |
| Product ID | AB6750-C |
| Country of Origin | Sweden |
| HS Code | 8517620000 |

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Identification and Status

| | |
|---|------------------------|
| Export Control Classification Number (ECCN) | EAR99 |
| Supply Risk Factor ERP | Volume not defined yet |

Physical Features

| | |
|-----------------------------|---|
| Connectors / Input / Output | 2x RJ45 |
| LED Indicators | Semi-Integrated. Link/Activity are available on RJ45 connectors. Module Status and Network Status via application interface or external light pipes |
| Form Factor | Module without Housing |

Certifications and Standards

| | |
|----------------|---------|
| UL Information | E214107 |
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