

## Anybus CompactCom 40 Module Without Housing - EtherNet/IP IIoT Secure



Item number: AB6751-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 EtherNet/IP 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,  
EtherNet/IP & 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.
- ✓ **ODVA pre-certified**  
Pre-certified with ODVA 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                         | Parallel 8/16-bit (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        | AB6751-C   |
| Country of Origin | Sweden     |
| HS Code           | 8517620000 |

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## Identification and Status

|   |       |
|---|-------|
| Dual Usage                                  | No    |
| Export Control Classification Number (ECCN) | EAR99 |

## 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  |
| Contains Battery            | No  |

## Certifications and Standards

|                |         |
|----------------|---------|
| RoHS Compliant | Yes     |
| UL Information | E214107 |