

## Anybus CompactCom 40 Module PROFINET-IRT Fiber Optic - Transparent Ethernet

Item number: AB6636-C

The Anybus CompactCom 40 PROFINET-IRT - Transparent Ethernet is a communication interface that can be embedded into any industrial device or machine to enable communication with PROFINET networks. The Transparent Ethernet channel lets you utilize high-end processors for custom IT functions. The module includes connectors for a fast time to market.



*Enable communication between industrial devices and PROFINET-IRT networks*

### 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.
- ✓ **Easy to install**  
Installing the Anybus CompactCom module is a breeze—simply slide it into the host slot. This user-friendly process can be completed by the end-user.
- ✓ **Transparent Ethernet channel**  
Includes a Transparent Ethernet channel, allowing users to tap into the potential of their high-end processors for developing personalized IT functions.
- ✓ **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.
- ✓ **Supports hardware changes**  
Possible to swap or install late in the manufacturing process.

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## General

|                                               |                                                                                                                                                                                                               |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Net Width (mm)                                | 50                                                                                                                                                                                                            |
| Net Height (mm)                               | 22                                                                                                                                                                                                            |
| Net Depth (mm)                                | 52                                                                                                                                                                                                            |
| Net Weight (g)                                | 46                                                                                                                                                                                                            |
| Packed Weight (g)                             | 46                                                                                                                                                                                                            |
| Operating Temperature °C Min                  | -40                                                                                                                                                                                                           |
| Operating Temperature °C Max                  | 70                                                                                                                                                                                                            |
| Storage Temperature °C Min                    | -40                                                                                                                                                                                                           |
| Storage Temperature °C Max                    | 85                                                                                                                                                                                                            |
| Current Consumption Class (CompactCom series) | C                                                                                                                                                                                                             |
| Current Consumption Max value at Vcc nom (mA) | up to 1000 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 20 MHz). 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                                                                                                                                                                                         |
| Mounting                                      | PCB mounting via a customized CompactFlash connector                                                                                                                                                          |
| Warranty (years)                              | 1 year                                                                                                                                                                                                        |

## Identification and Status

|                   |          |
|-------------------|----------|
| Product ID        | AB6636-C |
| Country of Origin | Sweden   |

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## Identification and Status

|            |            |
|------------|------------|
| HS Code    | 8517620000 |
| Dual Usage | No         |

## Physical Features

|                             |                                                                                 |
|-----------------------------|---------------------------------------------------------------------------------|
| Connectors / Input / Output | 2x duplex SC-RJ female                                                          |
| LED Indicators              | Integrated on front. Indicates Module Status, Network Status and Link/Activity. |
| Form Factor                 | Module                                                                          |
| Contains Battery            | No                                                                              |

## PROFINET Features

|                                  |                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PROFINET Mode                    | Slave                                                                                                                                                                                                                                                                                                                                     |
| PROFINET Supported Functionality | Supports RT and IRT functionality. Generic and PROFINET specific diagnostic support. SNMP agent. Web server w. customizable content. FTP server. Email client. Server Side Include (SSI) functionality. JSON functionality. PROFIenergy profile supported. PROFINET Fast Start Up. Media Redundancy Protocol (MRP). S2 system redundancy. |
| PROFINET Conformance Class       | Class A, Class B, Class C                                                                                                                                                                                                                                                                                                                 |
| PROFINET Configuration File      | GSDML available                                                                                                                                                                                                                                                                                                                           |
| PROFINET Bandwidth               | 10/100 Mbit/s                                                                                                                                                                                                                                                                                                                             |
| PROFINET Input Data Size         | 1440 bytes                                                                                                                                                                                                                                                                                                                                |
| PROFINET Output Data Size        | 1440 bytes                                                                                                                                                                                                                                                                                                                                |

## Certifications and Standards

|                        |          |
|------------------------|----------|
| RoHS Compliant         | Yes      |
| Product Certifications | RoHS, UL |
| UL Information         | E214107  |