

## Anybus CompactCom 40 Brick CANopen

Item number: AB6683-B

The Anybus CompactCom 40 CANopen is a communication interface that can be embedded into any industrial device or machine to enable communication with CANopen networks. 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 and  
CANopen 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.
- ✓ **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.
- ✓ **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.
- ✓ **CiA pre-certified**  
Pre-certified for CiA 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.

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## General

|                                               |                                                                                                                                                                                                               |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Accessories                           | AB6667-B                                                                                                                                                                                                      |
| Net Width (mm)                                | 36                                                                                                                                                                                                            |
| Net Height (mm)                               | 8                                                                                                                                                                                                             |
| Net Depth (mm)                                | 36                                                                                                                                                                                                            |
| Net Weight (g)                                | 20                                                                                                                                                                                                            |
| 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) | A                                                                                                                                                                                                             |
| Current Consumption Max value at Vcc nom (mA) | up to 250 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). |
| Content of Delivery                           | CompactCom B40 module                                                                                                                                                                                         |
| Mounting                                      | PCB mounting via pin header                                                                                                                                                                                   |
| Warranty (years)                              | 1 year                                                                                                                                                                                                        |

## Identification and Status

|                   |          |
|-------------------|----------|
| Product ID        | AB6683-B |
| Country of Origin | Sweden   |

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## Identification and Status

|            |            |
|------------|------------|
| 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  |