

Anybus CompactCom 40 Module Common Ethernet - Transparent Ethernet

Item number: AB6634-E

The Anybus CompactCom 40 Common Ethernet is a communication interface that can be embedded into any industrial device or machine to enable communication with PROFINET, EtherCAT, EtherNet/IP, or Modbus TCP networks. The Transparent Ethernet channel lets you utilize high-end processors for custom IT functions. With connectors.



*Enable communication between industrial devices
Industrial Ethernet 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.
- ✓ **Pre-certified**
Pre-certified for network compliance for all networks, 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)	29
Packed Weight (g)	29
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)	B
Current Consumption Max value at Vcc nom (mA)	up to 500 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 50 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	AB6634-E
Predecessor	AB6634-B, AB6634-C

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Identification and Status

Country of Origin	Sweden
HS Code	8517620000
Dual Usage	No

Physical Features

Connectors / Input / Output	2x RJ45
LED Indicators	Integrated on front. Indicates Module Status, Network Status and Link/Activity.
Form Factor	Module
Contains Battery	No

EtherCAT Features

EtherCAT Output Data Size	1486 bytes
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Certifications and Standards

RoHS Compliant	Yes
UL Information	E214107