

Anybus CompactCom 40 Module Without Housing - Modbus TCP- Transparent Ethernet

Item number: AB6737-E

The Anybus CompactCom 40 Modbus-TCP - Transparent Ethernet is a communication interface that can be embedded into any industrial device or machine to enable communication with Modbus-TCP 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
Modbus-TCP 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.
- ✓ **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.
- ✓ **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.
- ✓ **Modbus Pre-certified**
Pre-certified with Modbus 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)	37
Net Height (mm)	16
Net Depth (mm)	51
Net Weight (g)	18
Packed Weight (g)	18
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
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 (without housing)
Mounting	PCB mounting via a CompactFlash connector
Warranty (years)	1 year

Identification and Status

Product ID	AB6737-E
Predecessor	AB6737-C, AB6737-D

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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	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

Modbus-TCP Features

Modbus-TCP Mode	Slave/Server
Modbus-TCP Supported Functionality	Modbus TCP V3.0. Web server w. customizable content. FTP server. Email client. Server Side Include (SSI) functionality. JSON functionality. Transparent Socket Interface.
Modbus-TCP Bandwidth	10/100 Mbit/s
Modbus-TCP Input Data Size	1536 bytes
Modbus-TCP Output Data Size	1536 bytes

Certifications and Standards

RoHS Compliant	Yes
UL Information	E214107