Anybus CompactCom 40 Module Without Housing - EtherCAT - Transparent Ethernet



Item number: AB6739-E

The Anybus CompactCom 40 EtherNet/IP - Transparent Ethernet is a communication interface that can be embedded into any industrial device or machine to enable communication with EtherCAT 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 EtherCAT 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.

ETG pre-certified

Pre-certified with ETG 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	AB6739-E
Predecessor	AB6739-C, AB6739-D

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Identification and Status

Country of Origin	Sweden
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN) (Applies only to the U.S)	3A991.a.2

Physical Features

Connectors / Input / Output	2x RJ45
LED Indicators	Semi-Integrated. Link/Activity are availbe on RJ45 connectors. RUN and Error via application interface or external light pipes
Form Factor	Module without Housing
Contains Battery	No

EtherCAT Features

EtherCAT Mode	CANopen over EtherCAT
EtherCAT Supported Functionality	DS301 compliant. EMCY support. Ethernet over EtherCAT (EoE). File access over EtherCAT (FoE). Support for Sync0 functionality using distributed clocks. Web server with customizable content. FTP server. E-mail client. Server Side Include (SSI) functionality. JSON functionality.
EtherCAT Configuration File	ESI available
EtherCAT Bandwidth	100 Mbit/s
EtherCAT Input Data Size	1486 bytes
EtherCAT Output Data Size	1486 bytes

Certifications and Standards

RoHS Compliant	Yes
UL Information	E214107