Anybus CompactCom 40 Brick EtherCAT



Enable communication between industrial devices and EtherCAT networks

Item number: AB6677-D

The Anybus CompactCom 40 EtherCAT is a communication interface that can be embedded into any industrial device or machine to enable communication with EtherCAT networks. The pluggable design enables integration late in the assembly process, the addition of specific network connectors, and compliance with protection class requirements.

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.

ETG pre-certified

Pre-certified with ETG for 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	AB6666-B
Net Width (mm)	36
Net Height (mm)	8
Net Depth (mm)	36
Net Weight (g)	22
Packed Width (mm)	8
Packed Height (mm)	3
Packed Depth (mm)	7
Packed Weight (g)	25
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).
Content of Delivery	CompactCom B40 module
Mounting	PCB mounting via pin header

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General

Warranty (years)	1 year

Identification and Status

Product ID	AB6677-D
Predecessor	AB6677-C
Country of Origin	Sweden
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN) (Applies only to the U.S)	EAR99

Physical Features

Form Factor	Brick (pluggable)
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