Anybus CompactCom 40 Brick Common Ethernet

Item number: AB6680-D

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, Modbus TCP, Powerlink, or BACnet/IP 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 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.

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.

Switch networks without changing hardware

Simply download firmware for PROFINET, EtherCAT, Modbus-TCP, POWERLINK, or EtherNet/IP, ensuring adaptability to industrial network changes without altering hardware.

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.

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.

Supports hardware changes

Possible to swap or install late in the manufacturing process.

Anybus CompactCom 40 Brick Common Ethernet



General

Related Accessories	AB6666-B
Net Width (mm)	36
Net Height (mm)	8
Net Depth (mm)	36
Net Weight (g)	10
Packed Weight (g)	10
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
Warranty (years)	1 year

Identification and Status

Product ID	AB6680-D
Predecessor	AB6680-C

Anybus CompactCom 40 Brick Common Ethernet



Identification and Status

Country of Origin	China
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

Certifications and Standards

RoHS Compliant	Yes
UL Information	E214107