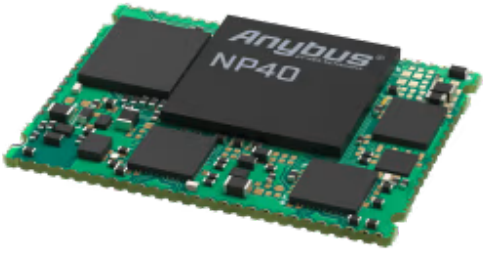
Anybus CompactCom 40 Brick Mini - EtherNet/IP



Item number: AB6101-B

The Anybus CompactCom 40 Brick Mini EtherNet/IP is a communication interface that can be embedded into any industrial device or machine to enable communication with EtherNet/IP networks. Soldered directly onto the host's carrier board and delivered in a tape-and-reel format, it's ideal for automated manufacturing and high-volume production.

Enable communication between industrial devices and EtherNet/IP 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.

Size matters

Measuring just 36,4 x 27 x ≤3mm, its compact format is ideal for small industrial devices. The rectangular shape is the preferred choice for device makers.

Pre-certified

Pre-certified for EtherNet/IP network compliance, enabling faster network certification.

Black channel (Safety) interface

The black channel interface enables device manufacturers to easily connect a safety module, such as the Ixxat T100, to the CompactCom. This feature provides a straightforward way to integrate safety functionality into your device.

Quick time to market

HMS provides comprehensive support throughout the integration journey, ensuring a quick time to market.

Minimizes add-on component costs

The soldered-on design eliminates the need for additional components like socket headers, reducing both component costs and manual manufacturing steps.

Optimized for automation

Delivery on tape and reel facilitates automated assembly, ideal for high-volume device manufacturers.

Future proof performance

Fully equipped for Ethernet networks, currently supporting Mb speeds (Gb available upon request), modern IT functions, Transparent Ethernet (RMII), and more. Continuously maintained to align with the latest network protocol specifications.

Fully embedded – meet IP requirements

The brick is fully embedded within your product, conserving valuable space, and allows you to use your own network connectors with IP class-certified protection if required.

Life cycle management

HMS maintains every part of the Anybus CompactCom, including network firmware updates, throughout the product's lifecycle.

Anybus CompactCom 40 Brick Mini - EtherNet/IP



General

Net Weight (g)	4
Packed Width (mm)	12
Packed Height (mm)	2
Packed Depth (mm)	8
Packed Weight (g)	6
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	High speed SPI (baudrate configurable up to 20 MHz), UART (for backwards compatibility with 30-series, max 625kbps)
Content of Delivery	Anybus CompactCom 40 Brick Mini
Mounting	PCB surface mount (soldered)
Warranty (years)	1 year

Identification and Status

Product ID	AB6101-B
Country of Origin	Sweden
HS Code	8517620000

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Identification and Status

Dual Usage	No
Export Control Classification Number (ECCN) (Applies only to the U.S)	3A991.a.2

Physical Features

Form Factor	Brick (soldered on)
Contains Battery	No

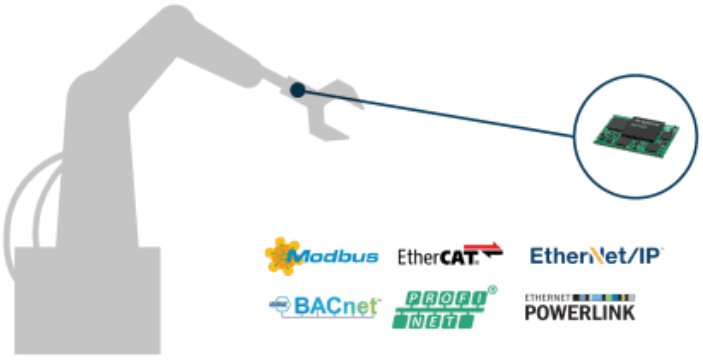
EtherNet/IP Features

EtherNet/IP Mode	Generic Device
EtherNet/IP Supported Functionality	Beacon Based DLR (Device Level Ring) and linear network topology supported. CIP Sync functionality. Web server w. customizable content. FTP server. Email client. Server Side Include (SSI) functionality. JSON functionality. CIP Parameter Object support. Supports unconnected CIP routing. Transparent Socket Interface. QuickConnect supported. Link Layer Discovery Protoco.
EtherNet/IP Configuration File	EDS available
EtherNet/IP Bandwidth	10/100 Mbit/s
EtherNet/IP Input Data Size	1448 bytes
EtherNet/IP Output Data Size	1448 bytes

Certifications and Standards

RoHS Compliant	Yes
UL	Yes
UL Information	E214107

Use Case


Modbus
EtherCAT
EtherNet/IP
BACnet
PROFINET
ETHERNET POWERLINK