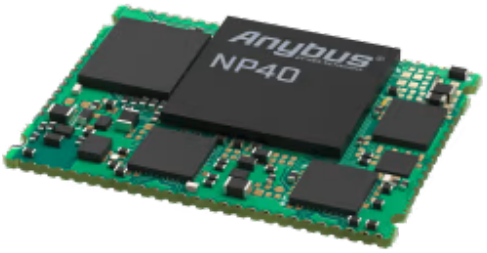
Anybus CompactCom 40 Brick Mini – PROFINET



Item number: AB6100-B

The Anybus CompactCom 40 Brick Mini PROFINET is a communication interface that can be embedded into any industrial device or machine to enable communication with PROFINET 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 PROFINET 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 PROFINET 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.

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General

Net Weight (g)	5
Packed Width (mm)	12
Packed Height (mm)	2
Packed Depth (mm)	8
Packed Weight (g)	7
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	AB6100-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

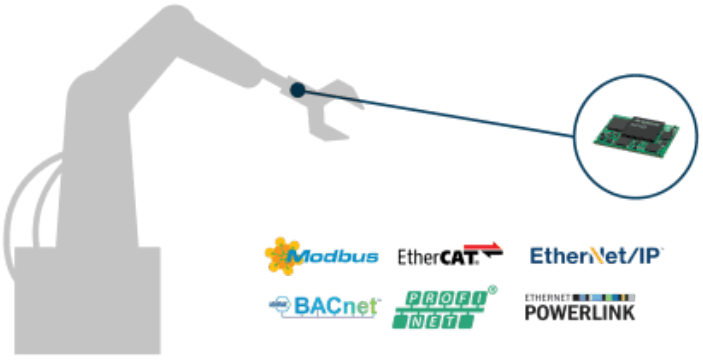
PROFINET Features

PROFINET Mode	Slave
PROFINET Supported Functionality	Supports RT and IRT functionality. Generic and PROFINET specific diagnostic support. SNMP agent. Web server w. customizable content. FTP server. Email client. Server Side Include (SSI) functionality. JSON functionality. PROFIenergy profile supported. PROFINET Fast Start Up. Media Redundancy Protocol (MRP). S2 system redundancy.
PROFINET Conformance Class	Class A, Class B, Class C
PROFINET Configuration File	GSDML available
PROFINET Bandwidth	10/100 Mbit/s
PROFINET Input Data Size	1440 bytes
PROFINET Output Data Size	1440 bytes

Certifications and Standards

RoHS Compliant	Yes
UL	Yes
UL Information	E214107

Use Case


Modbus
EtherCAT
EtherNet/IP
BACnet
PROFINET
ETHERNET
POWERLINK