Anybus®
BY HMS NETWORKS
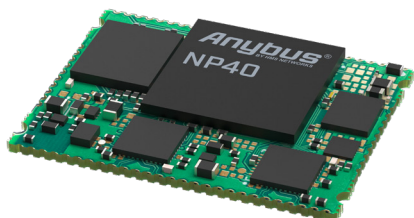
Anybus CompactCom B40 Mini

Compact, efficient, and powerful industrial communication interface

The Anybus CompactCom B40 Mini, the latest addition to the proven CompactCom 40 series, is a competitively priced communication interface that connects devices to all major Industrial Ethernet protocols. Thanks to its small size, it's ideal for high-volume, space-constrained industrial applications. This fast-to-market solution is soldered onto the device, optimized for automated manufacturing.

One solution - all major Industrial Ethernet protocols

Preloaded with all major Ethernet networks, with no licensing fees. It allows device makers to enable their preferred network, or let us know and we can deliver it preconfigured. Want to change the network? It's easy—just update the firmware.

Minimizes add-on component costs

Delivery on tape and reel facilitates automated assembly, ideal for high-volume device makers. The soldered-on design allows you to use your own connectors, reducing components and manual manufacturing steps.
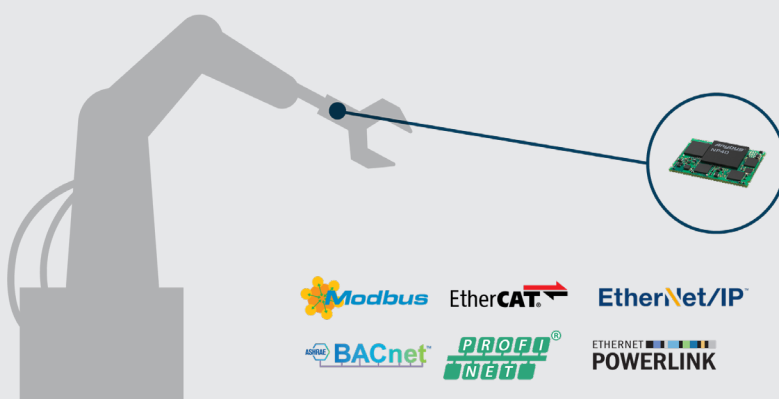
Size matters

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

Future proof performance

Fully equipped for Ethernet networks, currently supporting 100Mbps speeds (Gb available upon request), modern IT functions, Transparent Ethernet (RMII), and more. Continuously maintained to align with the latest network specifications.

Modbus   EtherCAT.   EtherNet/IP™

BACnet™   PROFINET®   ETHERNET POWERLINK

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Technical Specifications

Dimensions (L x W x H)	36.4 x 27 x ≤3mm
Operating temperature	-40 to +85 °C or -40 to +185 °F
Power requirements	3.3 VDC, +/- 0.15 VDC
Supported networks	PROFINET, EtherNet/IP, POWERLINK, EtherCAT, Modbus TCP, BACnet
Application Interface	High speed SPI, Black channel (safety)
Profile support	Generic device
Ethernet features	Transparent socket interface Support of HTTP forwarding via socket interface Integrated 2-port switch IT functions (FTP server, E-mail client, web server with JSON and SSI support) Transparent Ethernet interface (RMII)
Internal file system	Configurable up to 28 MB Two discs are available: One internal (28 MB capacity), and one reserved for accessing the application file system (capacity determined by application)
LED indicators	Available via host interface - Indicates Module Status and Network Status
Network connectors	Not included (by customer design)
Galvanic isolation	Not included (by customer design)
Mechanical rating	By customer design
Mounting	Direct soldering (as per design guide)
Packaging	Tape & Reel
Certifications	CE, CULUS, RoHS, Network pre-conformance