

# Anybus CompactCom M40 Module CC-Link



The Anybus CompactCom M40 for CC-Link is a complete communication module including connectors which enables your products to communicate on an CC-Link network.

## INTERCHANGEABLE WITH OTHER NETWORKS

By implementing the CompactCom concept into your product line, you will have instant access to any other industrial network by simply plugging in another Anybus module.

## PROVEN AND TRUSTED

The M40 CC-Link module handles data lengths up to 896 bit points and 128 word points of 16 bit data and supports both CC-Link v1.10 and v2.00. The CC-link network implementation is made directly into the CompactCom network processor — the award-winning Anybus NP40. With its fast data transfer and very low latency, it's the perfect match for even the most demanding industrial applications.

## Features and benefits

- A complete, interchangeable communication module with connectors
- Short in-design with free assistance from HMS ensures a fast time to market
- CLPA pre-certified for network compliance (enables faster network certification)
- Fast data transfer: Up to 896 bit points and 128 word points of 16 bit data via CC-Link 2.0
- Very low process data latency
- Event-based interface method enables easy access to input and output data at any time
- Fast, event-based application hardware interfaces: 8/16-bit parallel and highspeed SPI. I/O (shift register interface) is also available.
- Solid security: Mandatory software signatures prevent unauthorized software to be downloaded to the module. Furthermore, encryption is used to prevent illicit copying.

## CC-Link Slave interface

- CC-Link Remote Device
- I/O: up to 128 bit points and 16 word points of 16 bit data (CC-Link v.1.10, default)
- I/O: up to 896 bit points and 128 word points of 16 bit data (CC-Link v.2.00)
- Automatic CC-Link System Area handshaking (optional)
- Possibility to customize Vendor Code, Model Code and Version via application interface
- Baud Rate and Station Number configuration via application interface
- Configuration file (CSP+) provided by HMS
- 1x 5.08 connector to CC-Link

## Technical specifications

<b>Dimensions (L•W•H)</b>	52 x 50 x 22 mm 51 x 37 x 16 mm (without housing)
<b>Operating temperature</b>	-40 to +70 °C -40 to +85 °C (without housing)
<b>Power requirements</b>	3.3 VDC, +/- 0.15 VDC
<b>Application Interface</b>	8/16-bit parallel (30 ns access) High speed SPI, baudrate configurable up to 20 MHz I/O (shift register interface, cyclical update time 82 µs) UART (for backwards compatibility with 30-series, max 625kbps)
<b>Profile support</b>	Generic device
<b>LED indicators</b>	Integrated on front (with housing), via application interface (without housing). Indicates Module Status and Network Status.
<b>Fieldbus Connectors</b>	See above network interface details
<b>Galvanic isolation</b>	YES
<b>Mechanical rating</b>	IP20, NEMA rating 1
<b>Mounting</b>	PCB mounting via a customized CompactFlash connector available from HMS
<b>Certifications</b>	CE, cULus, RoHS