Anybus CompactCom 40 Module M12 Modbus-TCP

Item number: AB6643-C

The Anybus CompactCom 40 M12 - Modbus-TCP is a communication interface that can be embedded into any industrial device or machine to enable communication with Modbus-TCP networks. The module version includes network connectors to simplify installation, helping you achieve a fast time to market.

Enable communication between industrial devices and Modbus-TCP 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.

✓ **Easy to install**

Installing the Anybus CompactCom module is a breeze—simply slide it into the host slot. This user-friendly process can be completed by the end-user.

✓ **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.

✓ **Modbus pre-certified**

Pre-certified with Modbus for network compliance, enabling faster network certification.

✓ **Complete communication interface**

The Anybus CompactCom module is a complete communication interface, equipped with connectors that simplify integration. Enjoy an all-in-one solution with easy interchangeability.

✓ **Robust Security Measures**

Mandatory software signatures prevent unauthorized downloads to the Anybus CompactCom, while robust encryption techniques safeguard against illicit copying.

Anybus CompactCom 40 Module M12 Modbus-TCP

Identification and Status

Product ID	AB6643-C
Country of Origin	Sweden
HS Code	8517620000
Export Control Classification Number (ECCN)	EAR99

General

Net Weight (g)	43
Packed Weight (g)	43
Operating Temperature °C Min	-40
Operating Temperature °C Max	70
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Current Consumption Class (CompactCom series)	B
Input Voltage (V)	3.3 VDC, +/- 0.15 VDC
Application Interface	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)
Isolation	Galvanic Isolation
Content of Delivery	CompactCom M40 M12 module
Mounting	PCB mounting via a customized CompactFlash connector
Warranty (years)	1 year

Physical Features

Connectors / Input / Output	2x M12
LED Indicators	Integrated on front. Indicates Module Status, Network Status and Link/Activity.

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Physical Features

Form Factor	Module

Certifications and Standards

UL Information	E214107