Anybus CompactCom 40 Module Modbus-TCP - Transparent Ethernet



Enable communication between industrial devices and Modbus-TCP networks

Item number: AB6637-E

The Anybus CompactCom 40 Modbus-TCP - Transparent Ethernet is a communication interface that can be embedded into any industrial device or machine to enable communication with Modbus-TCP networks. The Transparent Ethernet channel lets you utilize high-end processors for custom IT functions. The module includes connectors for a fast time to market.

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.

Transparent Ethernet channel

Includes a Transparent Ethernet channel, allowing users to tap into the potential of their high-end processors for developing personalized IT functions.

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.

Pre-certified

Pre-certified with the Modbus-TCP user organization 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.

Supports hardware changes

Possible to swap or install late in the manufacturing process.

Anybus CompactCom 40 Module Modbus-TCP - Transparent Ethernet



General

Net Width (mm)	50
Net Height (mm)	22
Net Depth (mm)	52
Net Weight (g)	29
Packed Weight (g)	29
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
Current Consumption Max value at Vcc nom (mA)	up to 500 mA
Input Voltage (V)	3.3 VDC, +/- 0.15 VDC
Application Interface	Parallel 8/16-bit (30 ns access). High speed SPI (baudrate configurable up to 50 MHz). 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 module
Mounting	PCB mounting via a customized CompactFlash connector
Warranty (years)	1 year

Identification and Status

Product ID	AB6637-E
Predecessor	AB6637-C, AB6637-D

Anybus CompactCom 40 Module Modbus-TCP - Transparent Ethernet



Identification and Status

Country of Origin	Sweden
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN) (Applies only to the U.S)	3A991.a.2

Physical Features

Connectors / Input / Output	2x RJ45
LED Indicators	Integrated on front. Indicates Module Status, Network Status and Link/Activity.
Form Factor	Module
Contains Battery	No

Modbus-TCP Features

Modbus-TCP Mode	Slave/Server
Modbus-TCP Supported Functionality	Modbus TCP V3.0. Web server w. customizable content. FTP server. Email client. Server Side Include (SSI) functionality. JSON functionality. Transparent Socket Interface.
Modbus-TCP Bandwidth	10/100 Mbit/s
Modbus-TCP Input Data Size	1536 bytes
Modbus-TCP Output Data Size	1536 bytes

Certifications and Standards

RoHS Compliant	Yes
UL Information	E214107