

Anybus CompactCom 40 Module M12 DeviceNet

Item number: AB6641-C

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



Enable communication between industrial devices and DeviceNet 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.
- ✓ **ODVA pre-certified**
Pre-certified with ODVA 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.



Identification and Status

| | |
|---|------------|
| Product ID | AB6641-C |
| Country of Origin | Sweden |
| HS Code | 8517620000 |
| Export Control Classification Number (ECCN) | EAR99 |

General

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|---|---|
| Net Weight (g) | 44 |
| Packed Weight (g) | 44 |
| 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

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



Physical Features

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|-------------|--------|
| Form Factor | Module |
|-------------|--------|

Certifications and Standards

| | |
|----------------|---------|
| UL Information | E214107 |
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