Anybus CompactCom M40 Module CANopen

The Anybus CompactCom M40 for CANopen is a complete communication module which enables your products to communicate on an CANopen network. The module contains the complete functionality of industrial network slave/adapter interfaces and integrate through a standardized and network independent parallel or serial application interface towards the host automation device.

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.

GET REAL-TIME CANOPEN COMMUNICATION
The Anybus CompactCom M40 enables fast communication between your device and the CANopen network. 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
- CiA pre-certified for network compliance (enables faster network certification)
- Fast data transfer: Up to 512 bytes of process data in each direction, Up to 1524 bytes of acyclic data.
- 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.

|주| 임베디드시스템코리아

CANopen Slave interface

- Network Identity customization
- EMCY support
- CiA-301 version 4.2.0 compliant
- Supports all standard baud rates
- Automatic baud rate detection
- Supports LSS
- Up to 57343 ADIs can be accessed from the network as Manufacturer Specific Objects and profile specific objects.
- Up to 64 TPDO's & 64 RPDO's (Corresponds to a total of 512 bytes of Process Data in each direction)
- PDO mapping can be customized via network configuration tool or via application (IO assemblies)
- Diagnostic support
- Support for process data remap from the network
- Heartbeat functionality supported (Node Guarding not supported)
- Supports Expedited- and Segmented SDO Transfer (Block Transfer not supported)
- Network cycle time down to 1 ms
- Possible to implement profiles

Technical specifications

Dimensions (L•W•H)	52 x 50 x 22 mm
	51 x 37 x 16 mm (without housing)
Operating temperature	-40 to +70 °C
	-40 to +85 °C (without housing)
Power requirements	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)
Profile support	Generic device
LED indicators	Integrated on front (with housing), via application interface (without housing).
	Indicates Module Status and Network Status.
Fieldbus Connectors	See above network interface details
Galvanic isolation	YES
Mechanical rating	IP20, NEMA rating 1
Mounting	PCB mounting via a customized CompactFlash connector available from HMS
Certifications	CE, cULus, RoHS