EtherCAT Plug-In module

The Anybus-CompactCom EtherCAT communication module provides instant EtherCAT connectivity via the patented Anybus-CompactCom host interface. Any device that supports this standard can take advantage of the features provided by the module, allowing seamless network integration regardless of network type.

The 100 Mbit/s EtherCAT interface uses 2 standard RJ45 connectors. It supports a simple low cost line structure, a tree structure, daisy chaining or drop lines - no expensive infrastructure components are required.

The EtherCAT protocol is based on the standard IEEE 802.3 layers according to ISO/OSI. The module physical layer is 100BASE-X. The communication profile is the CANOpen adapter device profile using SDO´s and PDO´s for data communication.

KEY FEATURES
■ CANopen over EtherCAT (COE)
■ Galvanically isolated bus electronics
■ Network Identity customisation
■ EMCY support
■ Up to 256 bytes of fast cyclic I/O in each direction
■ Up to 16383 ADIs can be accessed from the network as Manufacturer Specific Objects
■ Generic Device Description File provided by HMS

TECHNICAL SPECIFICATIONS	
Size:	52 mm x 50 mm x 22 mm
Power Supply:	3,3 Volt
Temperature:	-40 to +70°C
Baud Rate:	100 Mbit/s (full duplex)
I/O Input:	Max 256 Byte
I/O Output:	Max 256 Byte
Config Method:	Device Description file for EtherCAT
Appl Interface:	Parallel and Serial
Availability:	December 2008
Order Code:	AB6316 (Without Housing)
Order Code:	AB6216