Single Chip for CANopen

The new Anybus-IC is a complete CANopen slave interface on a 32 pin dual in-line housing. It can be inserted into a host product with only a 5 volt 150mA power supply and a CANopen connector required to achieve instant connection to the CANopen network.

Combining both the SCI & SSC interfaces this chip can send a total max of 144 bytes input & 144 bytes output data. In stand alone mode, no external microprocessor is required and the chip can handle up to 16 bytes input and output signals directly. Alternatively, the chip can be connected via a serial connection to any microprocessor and sends up to 128 bytes of Input and 128 bytes Output data.

KEY FEATURES
■ Complete CANopen slave functionality
■ Generic EDS-file provided
■ Supports PDO message types: COS, Cyclic Synchronous and Acyclic Synchronous
■ Automatic baudrate detection
■ Supports the Layer Setting Service (LSS)
■ Total Max 144 bytes of I/O data
■ Configuration and monitoring via PC serial configuration port
■ SSC interface for data exchange in stand alone mode
■ SCI interface to connect to any microprocessor
■ On-board Opto Couplers and DC/DC converter
■ Flash upgradeable
■ Common application interface permitting interchangeability with other networks
■ CE certified, UL &cUL pending

TECHNICAL SPECIFICATIONS	
Size:	42 mm x 21 mm x 15 mm
Power Supply:	+5V max 150mA
Temperature:	-40 - +85°C
Baud Rate:	Fieldbus Baudrate 20kbps to 1Mbps
I/O Input:	SSC+SCI Max 144 bytes
I/O Output:	SSC+SCI Max 144 bytes
Appl Interface:	Shift register for stand-alone. Serial 2-wire for use with anexternal processor. 2nd serial 2-wire for diagnostics and monitoring
Max I/O data SSC:	16 bytes Input & Output
Max I/O data SCI:	128 bytes Input & Output
Order Code:	AB6004