Single Chip for PROFINET IO

The new Anybus-IC PROFINET communication module provides instant PROFINET IO connectivity via the generic Anybus-IC application interface. Any device that supports this standard can also take advantage of the features provided by the module, allowing seamless network integration regardless of network type. Additional protocols can be implemented on top of TCP/IP or UDP using the transparent socket interface.

The data exchange can be monitored via the built in Web server, Modbus/TCP, or using event triggered email messages. SSI (Server Side Include) technology enables web pages and email messages to carry dynamic content such as I/O data, configuration setting etc.

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

- **Profinet IO Real Time (RT) communications**
- **Shielded (FTP) unshielded (UTP) cables**
- **Modbus/TCP server**
- **Flexible file system with volatile and non-volatile storage areas**
- **Security framework**
- **Integrated FTP server provides easy access to the built-in filesystem**
- **Web server with dynamic content**
- **Email client capabilities**
- **Server Side Include (SSI) capabilities**
- **Device identity customisation**
- **Total Max 144 bytes of I/O data**
- **Common application interface permitting interchangeability with other networks**
- **Transparent TCP/IP socket interface**
- **SCI interface with (Modbus RTU protocol)**
- **SSC interface for data exchange (data in, data out, clock, load)**
- **Configuration and monitoring via PC configuration port**
- **CE marked, UL & cUL pending**

TECHNICAL SPECIFICATIONS

Size:	42 mm x 21 mm x 15 mm
Power Supply:	+5V max 250mA
Temperature:	-40- +85°C
Baud Rate:	100 Mbit/s
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 an external processor. 2nd serial 2-wire for diagnostics and monitoring
Max I/O data SSC int:	16 bytes Input & Output data
Max I/O data SCI int:	128 bytes Input & Output data
Ethernet Features:	PROFINET RT, Modbus TCP, IT functions
Order Code:	**AB6005**

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