

PROFINET IO interface with IRT



The embedded Anybus-S PROFINET interface is a complete PROFINET solution for a PROFINET IO device with IRT. All analog and digital components that are needed for a complete PROFINET IO interface with Isochronous-real time (IRT) are mounted on the module. The module is based on the Siemens PROFINET IO software technology for IRT and uses the Ertec 200 ASIC, providing integrated switch functionality.

The Dualport RAM based hardware and software interface for the PROFINET module is standardised and identical in functionality with all the other Anybus-S modules.

PROFINET Functions:

The PROFINET module works as a I/O-Device on the PROFINET network. The module support up to 256 bytes of IO for both Input and Output data. The module baud rate is 100Mbit/s (full duplex). Four LEDs will continuously indicate the actual PROFINET status and eventually error messages. The module also supports the normal PROFINET Alarm functionality. In the standard version the module uses 2 normal RJ45 connectors for the bus connection.

IT-Functions:

The PROFINET IO module also support functions like Webserver and FTP functions. The IT functions can be used simultaneously with the PROFINET communication.

KEY FEATURES

- Max 2048 bytes acyclic Parameter data In DPRAM/Extended memory
- Integrated IRT switch functionality
- Backwards compatible with other Anybus-S modules
- Parallel 2k Byte Dual Port RAM Interface
- Baud rate 100 Mbit/s
- PROFINET Isochronous Real-time and IT functions
- Dynamic webserver with flash disc
- Max 256/256 byte IO data IN/OUT

TECHNICAL SPECIFICATIONS

Size:	86 mm x 54 mm x 15 mm
Power Supply:	+5 Volt
Temperature:	0-70°C
Baud Rate:	100Mbit/s, full duplex
I/O Input:	Max 256 bytes
I/O Output:	Max 256 bytes
Config Method:	GSD file for Profinet
Appl Interface:	Parallel
Release 1:	Q4-2007 (excluding IT functionality, WEB, FTP etc.)
Release 2:	end Q1-2008 (final release, including IT functionality)
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