# Profinet IO Device - DeviceNet Adapter/Slave

The Anybus X-gateway copies I/O-data in both directions thus enabling data exchange between the two networks. Default I/O configuration is 20 bytes Input and 20 bytes Output. Changing default settings is very simple and is carried out using the RS232 configuration port and a standard terminal interface on a PC, such as Hyper Terminal for Windows.

The high performance DeviceNet Slave interface provides instant connectivity to the DeviceNet network. The module conforms to DeviceNet 2.0. The DeviceNet interface module is certified by the ODVA and has proven conformance and interoperability with leading PLC´s, HMI´s etc. Baud rate and MAC ID can be set via DIP switches.

The Profinet IO interface is a complete solution for a Profinet IO slave Device. The module is based on the Siemens Profinet IO software technology.
The Profinet IO baudrate is 100Mbit/s (full duplex). The IP-address and additional IP-settings is easily configured with the Anybus IPconfig utility for Windows. Additional ways to set the IP-address are either via DHCP or the Profinet configuration tool. Four diagnostic LEDs will continuously indicate the actual Profinet IO status and possible error messages. The Profinet IO interface uses a normal RJ45 connector for the bus connection.
IT-functions like WEB-server, E-mail client, FTP-server are also supported. The IT functions can be used simultaneously with the Profinet IO communication.
Modbus/TCP is also supported with "Read Data" functions.

## KEY FEATURES

- SSI scripts used for easy display/control of process data on webpages
- Gateway diagnostics via WEB-pages
- DeviceNet Specification version: Vol 1: 2.0, Vol 2: 2.0 supported
- Conformance test version: A-12
- I/O Slave messaging: Bit strobe, Polling, Cyclic, COS and Explicit Messaging
- E-Mail Client, FTP & Telnet Server
- Profinet IO and IT functions
- Profinet 100 Mbit/s twisted pair RJ45 connection
- 1 Mbyte storage space on Flash disk
- TCP/IP settings configurable with Profinet config tool, Anybus IPconfig, DHCP or the Profinet configuration tool.

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| Size: | 126 mm x 110 mm x 42 mm |
| Power Supply: | 24 VDC (±10%) |
| Temperature: | 0-65°C°C |
| Current Consump: | max 300 mA |
| I/O Input: | Default 20 bytes, max 512 bytes |
| I/O Output: | Default 20 bytes, max 512 bytes |
| Mech Rating: | IP20/Nema1 |
| Config Method: | Windows Hyper Terminal, GSD file for Profinet, EDS file for Devicenet |
| UL certification: | E203225, Listed 67AM, UL-1604 Class 1, Div 2, GP A, B, C, D, Temp Code T4 |
| ATEX certification: | ATEX 135419, II 3 G, EEx nL IIC T4, DEMKO 03 |
| Power supply connect: | 2-pole 5.08 mm Phoenix pluggable screw connector |
| Profinet connector: | RJ45 |
| Profinet address: | Any valid IP-address |
| DeviceNet baud rate: | 125-500 kbit/s |
| DeviceNet MacID: | 0-63 |
| DeviceNet connector: | 5-pole 5.08 mm Phoenix pluggable screw connector |
| Profinet baudrate: | 100Mbit/s |
| Price Group: | C |
| Order Code: | AB7653 |