# LonWorks - EtherCAT 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 LonWorks interface is a high performance interface to LonWorks networks. The interface supports LonMark objects handling. The required network variables on the LonWorks side can be configured and stored in FLASH. It is based on MIP that allows high throughput and a configurable set of up to 256 input and 256 output network variables. The interface can, via the "LWtool" PC-based configuration utility program, link, and convert data between the other network side and devices located on a LonWorks Network. The LonWorks side of the product can be configured for any type of network variable e.g. SNVTs or UNVTs.

The EtherCAT Slave Interface for the Anybus X-gateway implements CANopen over EtherCAT, and exchanges up to 512 bytes of data in each direction. The interface acts as a slave node, which means it can be accessed by an EtherCAT master, but it will not initiate communication by itself.
The module has two RJ45 connectors using 100 Mbit full duplex Ethernet. For configuration a XML-format device despription file is supplied by HMS.

## KEY FEATURES

- Special LW Config Software Tool for Network variable Setup
- Certification prepared for Lonmark application layer interoperability guidelines V3.2
- LonWorks FT-X1 Transceiver
- EtherCAT interface supports CANopen objects SDOs and PDOs
- Up to 512 bytes of cyclic data in each direction (PDO)
- Up to 512 bytes of acyclic data in each direction (SDO)
- EtherCAT interface is DS301 v4.02 compliant

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| **Size:** | 126 mm x 110 mm x 42 mm |
| **Power Supply:** | 24 VDC (±10%) |
| **Temperature:** | 0-65°C |
| **Current Consump:** | max 300 mA |
| **I/O Input:** | Default 20 bytes, max 512 bytes (256 network variables on LonWorks) |
| **I/O Output:** | Default 20 bytes, max 512 bytes (256 network variables on LonWorks) |
| **Mech Rating:** | IP20/Nema1 |
| **Config Method:** | Windows Hyper Terminal |
| **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:** | -pole 5.08 mm Phoenix pluggable screw connector |
| **LonWorks baudrate:** | 78 kbit/s |
| **LonWorks Connector:** | 5-pole 5.08 mm Phoenix pluggable screw connector |
| **LonWorks config.:** | Order code: 018640 - (LW Tool ABX for LonWorks interface variable configuration) |
| **EtherCAT baudrate:** | 100 Mbit/s |
| **EtherCAT connector:** | RJ45 |
| **EtherCAT config:** | Configured by EtherCAT Master via XML file (provided by HMS) |
| **Price Group:** | C |
| **Order Code:** | AB7695 |