








Modbus RTU Slave - 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 Modbus RTU Slave interface is implemented according to Modbus Protocol ref guide (PI-MBUS-300). All data is mapped to 3x and 4x Modbus areas meaning the Input Status and Output Register Word areas. The Modbus RTU standard baud rate is 19200 Bit/s but can be modified on the gateway between 1200 Bit/s to 57 600 Bit/s.

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 description file is supplied by HMS

KEY FEATURES	
	Supported Modbus RTU functions: 1, 2, 3, 4, 5, 6, 8, 15, 16, 22, 23
	Modbus RTU transmission media RS485
	EtherCAT interface is DS301 v4.02 compliant
	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)
	Galvanically isolated network electronics

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
I/O Output:	Default 20 bytes, max 512 bytes
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:	2-pole 5.08 mm Phoenix pluggable screw connector
Modbus RTU baudrate:	1200 Bit/s to 57 600 Bit/s
Modbus RTU address:	Node address 1-247
Modbus RTU connector:	D-sub 9-pin female
EtherCAT baudrate:	100 Mbit/s
EtherCAT conector:	RJ45
EtherCAT config:	Configured by EtherCAT Master via XML file(provided by HMS)
Price Group:	A
Order Code:	AB7692