

X-gateway™ Modbus-TCP

With the new Anybus X-gateway Modbus-TCP series, HMS makes it possible to integrate Modbus-TCP devices into almost any other PLC system and their supported networks. The X-gateway Modbus-TCP provides Modbus-TCP client/server connectivity to all popular fieldbus and industrial Ethernet networks such as Profibus, DeviceNet, Modbus-RTU, ControlNet, Profinet, EtherNet/IP and EtherCAT.



Availability

X-gateway Modbus-TCP Client and Server to:

- CANopen Slave
- ControlNet Adapter
- DeviceNet Adapter
- EtherNet/IP Adapter
- EtherCAT Slave
- Modbus-RTU Slave
- Modbus-TCP Server/Slave
- Profibus Slave
- Profinet-IO Slave

New enhanced design

The X-gateway Modbus-TCP comes in an all new robust housing with DIN-rail or wall mounting options. It comes with enhanced environmental attributes and certifications such as:

Industrial temperature range

Operating: -25 to +70 °C

Low power consumption

150 mA at 24 V

Industrial certifications

CE, RoHS, UL, Haz.Loc, ATEX and Marine AIACS E10 DNV 2.4

Measures

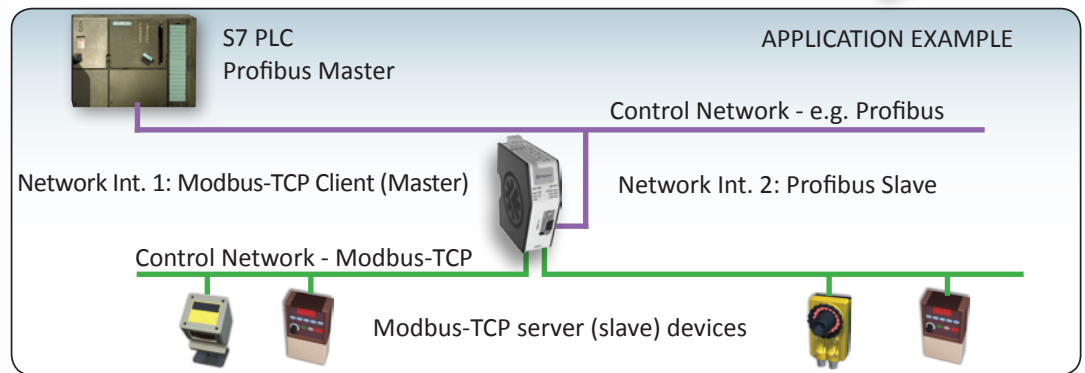
HxWxD = 108x35x101 mm



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Anybus X-gateways with Modbus-TCP act as intelligent links between two industrial networks. On the Modbus-TCP side, they can function as both a client (master) or server (slave). On the other chosen fieldbus/Ethernet network side, they operate as a slave. The implementation is based on HMS NP30 network microprocessor and is verified for full Modbus-TCP client/server compliance.

Features and benefits

- Connects Modbus-TCP server devices to other fieldbus and Industrial Ethernet networks
- Provides Modbus-TCP client or server functionality on one side, and fieldbus/Ethernet slave functionality on the other side
- Allows very fast transparent transfer of I/O data between Modbus-TCP and another network
- SD memory card for easy module replacement
- Dual Port switched Ethernet allows daisy chaining on all Ethernet interfaces
- Supports web functions such as; integrated web server with SSI, E-mail client and FTP server
- Easy Windows[®] based configuration tool. No programming or scripting required

Easy Configuration

Configuration can be made either via Ethernet or via an on-board USB port. A new and included all-in-one configuration tool can then be used to configure Ethernet IP settings, Modbus-TCP client configuration and I/O data size transfer between Modbus-TCP and the chosen network.

The uplink fieldbus or Ethernet slave interface to the PLC is configured with a standard device description file (GSD/EDS) in the PLC engineering tool.

Easy module replacement

The X-gateway is equipped with an SD memory card for easy module replacement, configuration copy and backup.



HMS provides a full 3 year product guarantee from date of shipment.