IEC61162-450 GATEWAY INTERFACE
ZMG-340Pro

DATASHEET
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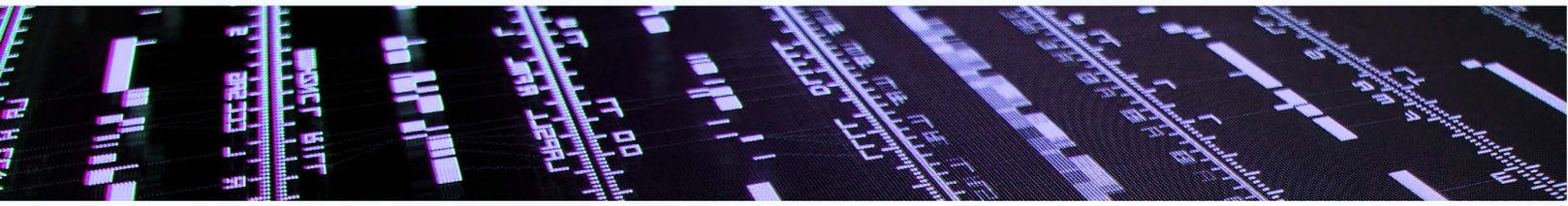

IEC61162-450 GATEWAY INTERFACE

The ZMG-340Pro has IEC61162-450 protocol capability ideal for connection non-networked equipment to IEC61162-450 ship navigation and communication networks.

It is a NMEA-0183 serial to/from Ethernet (TCP/IP UDP) Gateway and 4ch Multiplexer, can process all types of serial signals such Modbus-ASCII, Modbus-RTU and Binary Data.

It is designed to the international compliance standard, this reliable interface is easy to install, easy to use and can be upgraded to meet your requirements.

- NMEA-0183 to/from IEC61162-450 Gateway
- CAN to/from Ethernet Gateway
- Serial to/from CAN Gateway
- NMEA-0183 to/from Ethernet Gateway and Multiplexer, 4 channel Combiner
- Serial to/from Ethernet Gateway
- Convert Serial to/from Serial (Conversion of Baud rate, Data length, Parity and Stop bit)
- Convert CAN signal to/from Serial and Ethernet
- High speed transmitting and receiving of Serial data (Up to 230,400bps)
- Can aid with connections to/from existing legacy IEC61162-450 networks

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SPECIFICATIONS

SERIAL PORTS	4 Serial Ports - Each Serial port is selected as Tx or Rx by internal jumper. - Max 4 Rx channels, Galvanic isolation (NMEA-0183, RS-422, RS-232, TTL and Current-Loop signals acceptable) - Max 4 Tx channels, RS-422 Output (NMEA-0183) - Max 2 RS-485 bidirectional channels
PROTOCOL	NMEA-0183/HS (IEC61162-1/2), Modbus-ASCII, Modbus-RTU, Binary Data
PROTECTION	A Protection against Over voltage input (up to 36V)
BAUD RATE	1,200bps ~ 230,400bps by each port (9 Steps)
	CAN (Pro only)
PROTOCOL	- CAN 2.0B (NMEA-2000/IEC61162-3, SAE J1939, other CAN-based Systems) - Raw data (Does not decode PGN's and transport the CAN frames, it can be handled and decoded by receiving device) - Galvanic isolation
SPEED	100kbps, 125kbps, 250kbps, 500kbps, 1Mbps
	Ethernet
PROTOCOL	- TCP/IP UDP Unicast and Multicast. - IEC61162-450 Light Weight Ethernet Protocol. (Pro only) - TCP/IP TCP and HTTP for System configuration
SPEED	10/100Mbps
	Display and Monitor
MONITOR	Success packet and Error packet counter through dedicated UDP port
LED	Operation status (Power, Input data)
	Configuration
SERIAL	Baud rate, Data Length, Parity bit and Stop bit by each channel.
NETWORK	Source and Destination IP address and UDP Port, Single/Multi UDP Mode
ROUTING	Between Serial, CAN and Ethernet (UDP) by each Channel
	Input Power
VOLTAGE	DC 12/24V (10~32V), Approximately 300mA at 12V
FUSE	Electric Fuse, No Replacement Required
ENCLOSURE	90 x 138 x 42mm 500g
TERMINATION	Removable Screw Terminal Blocks
OPTION	NTP Server - Network Time Protocol Server

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