

Z-PC LINE · COMMUNICATION MODULES

Z-GW-MB

Z107E

Z107FO

ZC-107FO



Gateway ModBUS RTU Master ↔ ModBUS Server (Slave) TCP

RS232 Serial Converter ↔ Ethernet 10-100 MB

RS232-RS485 optical fiber repeater

CAN-bus optical fiber repeater



ORDER CODES

Model	Z-GW-MB	Z107E	Z107FO	ZC-107FO
Software and Accessories	Free Configuration software in CD	Free Driver in CD	Z-PC-FO (cable in multimodal optical fiber with connections ST/ST, L=2m)	Z-PC-FO (cable in multimodal optical fiber with connections ST/ST, L=2m)

ELECTRIC FEATURES

Power supply	12,4 Vdc, 12..28 Vac (50..60 Hz)	12,4 Vdc, 12..28 Vac (50..60 Hz)	12,4 Vdc, 12..28 Vac (50..60 Hz)	12,4 Vdc, 12..28 Vac (50..60 Hz)
Power Consumption	1,2 W	1,2 W	1,2 W	1,2 W
Status Indicator	Serial Communication and optical fiber status	Serial Communication and optical fiber status	Serial Communication and optical fiber status	Serial Communication, Functioning
Operating Temperature	-30..+60 °C	-30..+60 °C	-30..+60 °C	-30..+60 °C
Storage Temperature	-30..+85 °C	-30..+85 °C	-30..+85 °C	-30..+85 °C
Humidity	30..90% non condensing	30..90% non condensing	30..90% non condensing	30..90% non condensing
Dimension (W x H x D)	17,5 x 100 x 112 mm	17,5 x 100 x 112 mm	17,5 x 100 x 112 mm	17,5 x 100 x 112 mm
Weight	140 g	140 g	140 g	140 g
Enclosure	PBT, black	PBT, black	PBT, black	PBT, black
Mounting	35 mm DIN rail guide	35 mm DIN rail guide	35 mm DIN rail guide	35 mm DIN rail guide
Settings	DIP-switch (baud rate, parity, serial port, bit stop, termination)	DIP-switch (baud rate, parity, serial port, bit stop, termination)	DIP-switch (baud rate, parity, serial port, bit stop, termination)	DIP-switch (baud rate, parity, serial port, bit stop, termination)
Conformity	CE, EN 61000-6-4, EN 64000-6-2, EN 61010-1, EN 60742	CE, EN 61000-6-4, EN 64000-6-2, EN 61010-1, EN 60742	CE, EN 61000-6-4, EN 64000-6-2, EN 61010-1, EN 60742	CE, EN 61000-6-4, EN 64000-6-2, EN 61010-1, EN 60742

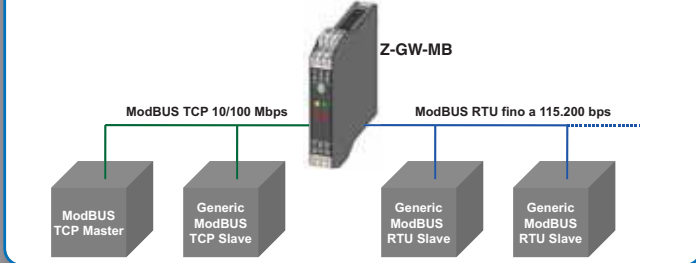
COMMUNICATION PORTS

RS232		Yes	DB9F connector (COM)	
RS485 / CAN	Yes, optoisolated		Removable terminal block IDC10 back connector for Z-PC DIN back-plane DB9F (COM)	Removable terminal block IDC10 back connector for Z-PC DIN back-plane DB9F (COM)
Ethernet	RJ45 connector	RJ45 connector		
Optical Fiber			Multimodal mode (62,5/125 or 50/125 μm) Frontal connector ST/ST	Multimodal mode (62,5/125 or 50/125 μm) Frontal connector ST/ST Delay in Sending Message 300 μs Max distance 2 km

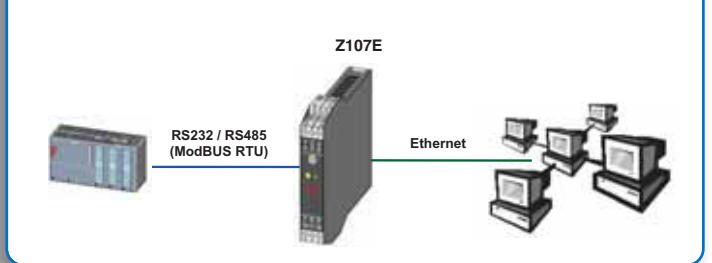
PROTOCOLS

Ethernet TCP/IP	Yes	Yes		
ModBUS RTU	Yes			
ModBUS TCP	Yes	Yes		
CAN				CANBUS 2.0
Speed	(10/100 Mbps)	(10/100 Mbps)	From 1.200 to 115.200 bps	Up to 1 Mbps
Delay Time			160 – 240 ms (9.600 bps) 145 – 155 ms (115.200 bps)	

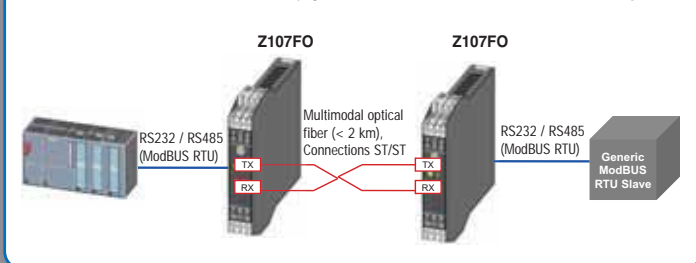
Z-GW-MB Connection scheme (gateway ModBUS RTU / TCP)



Z107E Connection scheme (RS32/RS485/Ethernet converter)



Z107FO Connection scheme (optical converter – serial ModBUS)



ZC-107FO Connection scheme (optical converter - serial CANopen)

