

Z-GATEWAY

GATEWAY MODBUS RTU ↔ MODBUS TCP-IP, DUAL RS485 PORT



Transparent Conversion for RS485 ↔ Ethernet communication

Built-in Webserver

N°2 RS485 ports, individually configurable

N°1 mini USB port 2.0 type B

N°1 RJ45 port, Ethernet 10/100 Mbps

Protocols ModBUS RTU Master, ModBUS TCP-IP, http

Reading ModBUS registers every 100 ms

Configurable parameters: IP address, baud rate serial port, mapping addresses MODBUS of slave nodes on the buffer

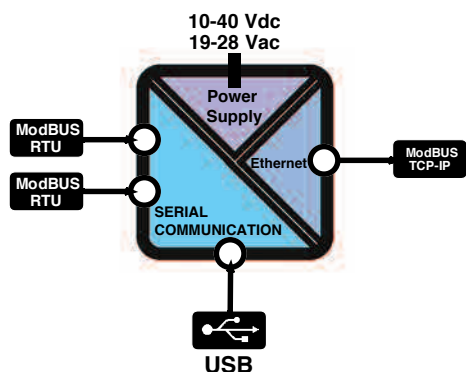
Configuration through DIP-switches, web interface, software Easy Setup (free download)

 **SENECA**



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TECHNICAL SPECIFICATIONS

GENERAL DATA

Power Supply	11..40 Vdc; 19..28 Vac
Consumption	Max 3,5 W
Isolation	1.500 Vac (power supply// remaining circuits)
Status indicators	Serial communication Connection IP / DHCP Ethernet Transmission Ethernet Connection
Protection degree	IP20
Operating Temperature	-0..+55°C
Weight	250 g
Dimensions	100 x 112 x 17,5 mm (hxdxw)
Housing	PBT, black
Connectors	Removable screw terminals 2,5 mm ²
Mounting	DIN 35 mm rail guide

COMUNICATION

Interfaces	N°2 RS485 N°1 mini USB 2.0 type B N°1 RJ45 Fast Ethernet 10/100 Mbps
Protocols	ModBUS RTU Master ModBUS TCP-IP / http
Memory	CPU 32 bit 512 kB flash 128 kB RAM

CONFIGURATION

Programming	Software EASY SETUP Web server Dip-switch
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STANDARD

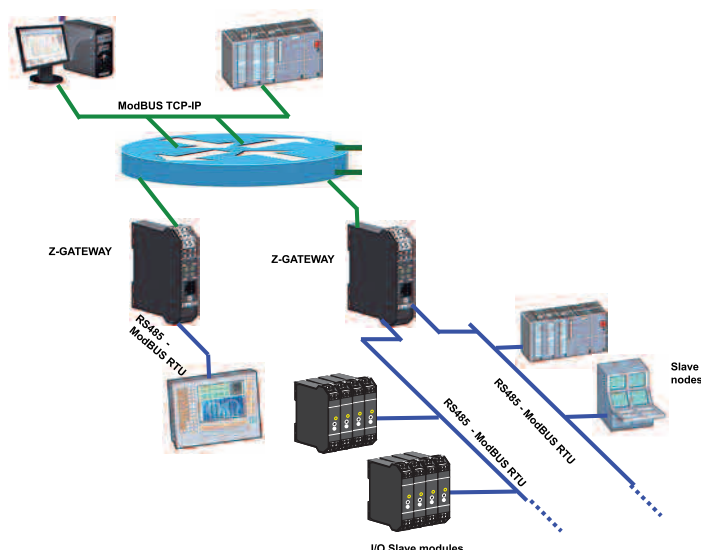
Certifications	CE
Norms	EN 61000-6-4 EN 64000-6-2 EN 61010-1

ORDER CODES

Code	Description
Z-GATEWAY	Gateway ModBUS TCP-IP / ModBUS RTU with dual RS485 ports, 11-40 Vdc; 19-28 Vac, USB cable included

Z-GATEWAY is a industrial gateway consisting of three main units: 1) ModBUS RTU Master (collects and updates the buffer with the registers of the MODBUS slave devices); 2) Buffer memory (keep the data of ModBUS slave devices); 3) ModBUS TCP server (accepts requests from the Ethernet registerers). Powered over clamps or bus, Z-GATEWAY allows the Modbus conversion TCP – Modbus RTU up to 500 register and reading real time variables via webserver. The module is equipped with two independent RS485 ports (1 on bus IDC10, 1 on clamps) and 2 ModBUS TCP sockets. The configuration and firmware upgrade is via USB port, software configuration EASY SETUP or programming interface are based on the webserver.

APPLICATION NOTE



ACCESSORIES & SOFTWARE



EASY SETUP
Plug&Play programming
software free download
www.seneca.it



PM001450
Right Ethernet cable (RJ45 / RJ45)



PM001460
Crossing Ethernet cable (RJ45 / RJ45)

SIMILAR PRODUCTS



Z-ALARM

Alarm management device, datalogger with built-in I/O



Z-LOGGER

Datalogger Modbus RTU / Modbus TCP



Z-BRIDGE2

Bridge ModBUS TCP-IP / ModBUS RTU with dual serial portsB