R-KEY-LT-E Z-KEY-E | Z-KEY-2ETH-E

S SENECA

10 11 12



EtherNet/IP

MODBUS RTU / ASCII / TCP-IP -> ETHERNET/IP GATEWAY & PROTOCOL CONVERTERS

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Z-KEY

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Highlights

- Ethernet/IP Gateway Adapter / Master Modbus
- Isolation up to 1500 Vac
- Operating Temperature -25..+65°C
- Nr.1/2 Ethernet ports
- Nr.1/2 RS232/RS485 serial ports
- R/W memory areas 512 bytes
- Configuration via web server and PLC software third parties
- CE, UKCA, UL^(*) certifications

SENECA offers three Ethernet/IP gateway options, namely Z-KEY-E, R-KEY-LT-E, and Z-KEY-2ETH-E, catering to various form factors and Ethernet port configurations. These gateways serve as versatile communication bridges, supporting Modbus RTU/ASCII/TCP and EtherNet/IP protocols. Their primary function is to seamlessly integrate existing Modbus devices into an EtherNet/IP network by acting as Modbus masters for data acquisition and exchange with EtherNet/IP devices. In essence, these gateways convert Modbus data into Ether-Net/IP packets, enabling EtherNet/IP scanners to control or monitor Modbus devices.

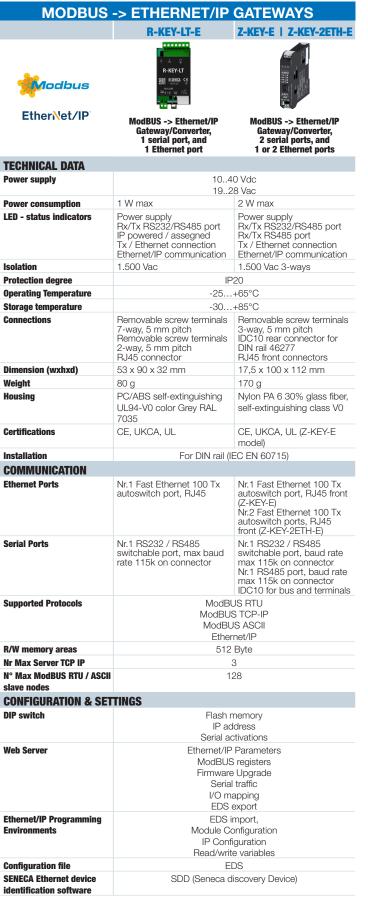
SENECA's Ethernet/IP gateways are highly configurable via a web server and operate in adapter/ModBUS Master mode. This allows for the connection of an Ethernet/IP PLC scanner to ModBUS RTU/ASCII Slave I/O devices.

Specifically, the gateways function by acting as ModBUS Master devices on the serial side while behaving as Ethernet/IP adapters on the Ethernet side. Modbus requests, such as read or write commands, are configured directly on the devices, and an EDS file is automatically generated. Once this file is imported into PLC development software, such as Rockwell STUDIO 5000, all configured I/O becomes accessible without further setup. Additionally, you can connect up to 3 Modbus TCP-IP servers in addition to serial devices.

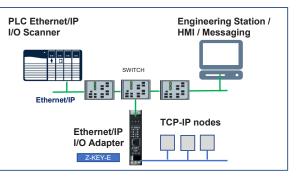
(*) R-KEY-LT-E e Z-KEY-E models

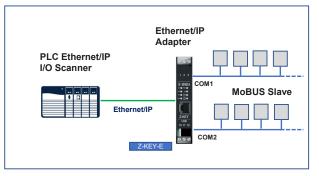


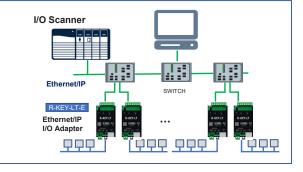
R-KEY-LT-E | Z-KEY-E | Z-KEY-2ETH-E

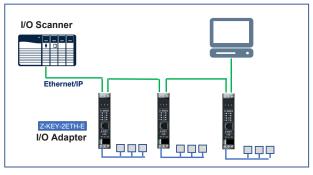


CONNECTION SCHEMES









ORDER CODES	
Codes	Description
GATEWAYS	
R-KEY-LT-E	ModBUS -> Ethernet/IP gateway (1 serial port, 1 Ethernet port)
Z-KEY-E	ModBUS -> Ethernet/IP gateway (2 serial ports, 1 Ethernet ports)
Z-KEY-2ETH-E	ModBUS -> Ethernet/IP gateway (2 serial ports, 2 Ethernet ports)
SOFTWARE	
SDD	SENECA Ethernet device identification software
ACCESSORIES	
CS-DB9M-MEF-1012	Z-KEY serial communication cable (DB9M / MEF 10-12)
CE-RJ45-RJ45-R	Ethernet cable (RJ45 / RJ45)
Z-PC-DINAL2-17.5	DIN rail mounting bracket - HEAD +2 SLOT P=17.5mm
Z-PC-DIN2-17.5	DIN rail mounting bracket - 2 SLOT P=17.5mm
Z-PC-DIN8-17.5	DIN rail mounting bracket - 8 SLOT P=17.5mm
Z-SUPPLY	Single-phase switching power supply 24V @ 1.5 A



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