

Control, Safety & I/O

April 2019

Modbus TCP/RTU to EtherNet/IP gateway

Industrial protocol gateways

The Phoenix Contact family of gateways allows different industrial protocols to work together, in a single network. Serial device servers provide a simple pathway when migrating legacy serial devices to Ethernet protocols.

The new Modbus-to-EtherNet/IP gateway makes migration painless, with easy and intuitive web-based configuration for mapping Modbus data over the EtherNet/IP. RSLogix integration is a breeze thanks to the “write-to-tag” feature, allowing you to quickly set up the transfer of data into the programming environment. Variants are available with one, two, or four serial ports and one or two RJ45 Ethernet ports. The devices feature a wide operating temperature range of -40 to +70 degrees Celsius and hazardous-area approvals, making them suitable for use in any industry.

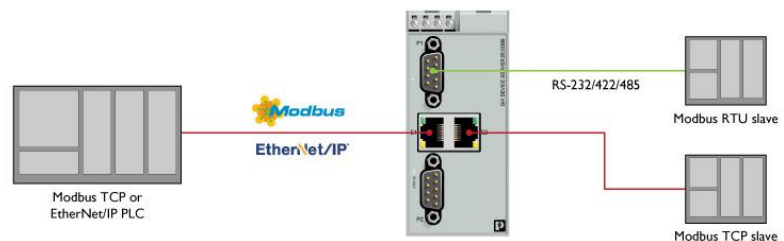


Features and benefits

- Support for common industrial protocols including EtherNet/IP, Modbus, Profinet, and HART
- Multiple variants with different interfaces to meet your application needs
- Simple and intuitive web-based configuration and easy control system integration
- Industrial grade with wide input supply voltage range 10.8 V DC ... 30 V DC
- Hazardous location approvals Class I, Div. 2, Groups A, B, C, D

Application example:

An EtherNet/IP device server collects data from both a Modbus/RTU and Modbus/TCP slave. This data is then served up to an EtherNet/IP master.



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Ordering information

Part #	Designation	Discription
1062540	GW EIP/MODBUS 1E/1DB9	Gateway for Modbus TCP/RTU to an EtherNet/IP network with 1 Ethernet & 1 Serial Port
1062423	GW EIP/MODBUS 1E/2DB9	Gateway for Modbus TCP/RTU to an EtherNet/IP network with 1 Ethernet & 2 Serial Port
1062380	GW EIP/MODBUS 2E/2DB9	Gateway for Modbus TCP/RTU to an EtherNet/IP network with 2 Ethernet & 2 Serial Port
1062388	GW EIP/MODBUS 2E/4DB9	Gateway for Modbus TCP/RTU to an EtherNet/IP network with 2 Ethernet & 4 Serial Port

Conversion chart

Field	Control					
	Modbus TCP Master	Modbus RTU Master	Modbus ASCII MASTER	Encapsulated TCP/IP	EtherNet/IP	PROFINET
Modbus RTU slave	GW MODBUS TCP/RTU ...	GW MODBUS TCP/RTU ...	GW MODBUS TCP/RTU ...	GW DEVICE SERVER / GW MODBUS TCP/RTU ...	GW EIP/MODBUS ...	
Modbus ASCII Slave	GW MODBUS TCP/RTU ...	GW MODBUS TCP/RTU ...	GW MODBUS TCP/RTU ...	GW DEVICE SERVER / GW MODBUS TCP/RTU ...	GW EIP/MODBUS ...	
Modbus RTU Master	GW MODBUS TCP/RTU ...	GW MODBUS TCP/RTU ...	GW MODBUS TCP/RTU ...	GW DEVICE SERVER / GW MODBUS TCP/RTU ...	GW EIP/MODBUS ...	
Modbus ASCII Master	GW MODBUS TCP/RTU ...	GW MODBUS TCP/RTU ...	GW MODBUS TCP/RTU ...	GW DEVICE SERVER / GW MODBUS TCP/RTU ...	GW EIP/MODBUS ...	
Modbus TCP Master	GW MODBUS TCP/RTU ...	GW MODBUS TCP/RTU ...	GW MODBUS TCP/RTU ...	N/A	GW EIP/MODBUS ...	
Modbus TCP Slave	GW MODBUS TCP/RTU ...	GW MODBUS TCP/RTU ...	GW MODBUS TCP/RTU ...	N/A	GW EIP/MODBUS ...	
Serail Raw /ASCII	GW MODBUS TCP/ASCII...	GW MODBUS TCP/ASCII...	GW MODBUS TCP/ASCII...	GW DEVICE SERVER	GW EIP/ASCII...	GW PN/ASCII...
Ethernet Raw/ASCII	GW MODBUS TCP/ASCII...	GW MODBUS TCP/ASCII...	GW MODBUS TCP/ASCII...	N/A	GW EIP/ASCII...	GW PN/ASCII...

Supporting materials

Landing pages:

www.phoenixcontact.com/eip

www.phoenixcontact.com/gatewayselector

Literature:

Serial device servers and gateways - 1015698

YouTube videos:

Coming soon



Serial device servers and gateways
Your gateway to the digital age



Contact information

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