

Modbus Gateway

MC320



- Convert Between Modbus TCP/IP and Modbus RTU/ASCII
- 1 Ethernet Port and 1 RS232/RS422/485 Ports
- Supports 8 TCP/IP MODBUS Protocol Device and 32 MODBUS Serial Connection
- Easy Hardware Setup and Configuration

Modbus Gateway MC320 This device facilitates communication between Modbus TCP and Modbus RTU/ASCII protocols. The MC320 supports serial connections in both Master and Slave modes, while the Ethernet interface supports both Server and Client modes (Modbus TCP/UDP: Master/Slave), accommodating simultaneous connections from up to eight clients (Modbus TCP Master).

Specifications

Ethernet Interface

Speed: 10/100 Mbps, Full-Duplex or Half-Duplex, Auto MDI/MDIX

Connector: RJ45

Standard: 10 Base-T/100 Base-T Standard

Data Rates: 300 - 115,200 bps

Transmission: 100 m.

Magnetic Isolation Protection: 15 KV (Built-In)

Protocols: MODBUS TCP/UDP (Server/Client)

Max Transaction: 16 Transactions

Serial Interface

Serial Standards:

RS232 Through D-Type 9 Pin Connector (Male)

RS485/422 (Isolated) 5 Pin Terminal Block (Software Selectable)

Loading: RS485 Max 32 Unit

Distance:

RS232 Length 15 m.

RS485/422 Length 1 Km.

Protocol: MODBUS ASCII/RTU (Master/Slave)

Serial Parameter

Baud Rate: 1200, 2400, 4800, 9600, 19200, 28800, 38400, 57600, 115200

Data Bits: 7, 8

Stop Bits: 1, 2

Parity: None, Even, Odd

Flow Control: None, Hardware

Multi-Master and Multi-Drop

Master/Internet Mode: 8 Connections

Slave Mode: 8 Connections

Power Requirements

Power Supply: 12 to 35 VDC

Power Consumption

Operating: 100 mA @ 12 VDC

Environmental Limits

Operating Temperature: 0 to 55 °C

Operating Humidity: 5 to 95% RH

Storage Temperature: 0 to 70 °C

Physical Characteristics

Dimensions: W30 x H122 x D98 mm.

Mounting: DIN Rail

Housing: Metal

Warranty

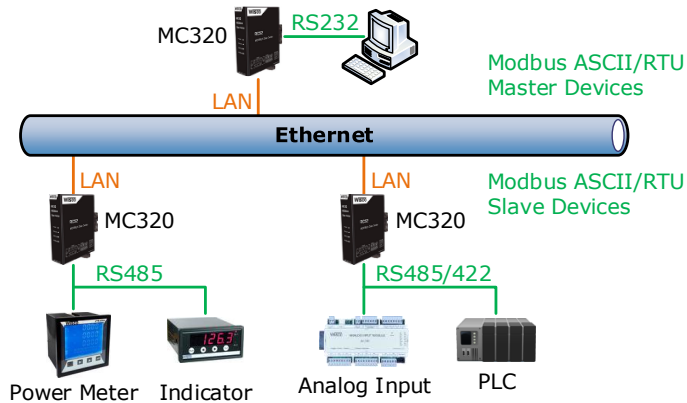
Warranty Period: 5 Year

Ordering Information

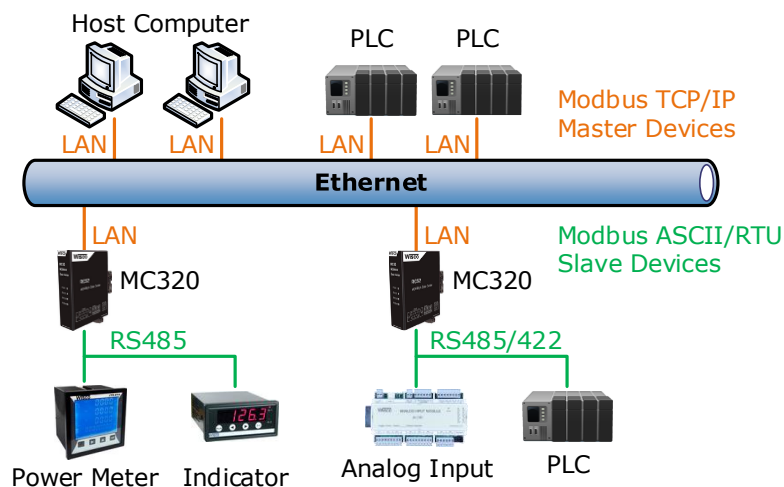
Example MC320

Package Checklist

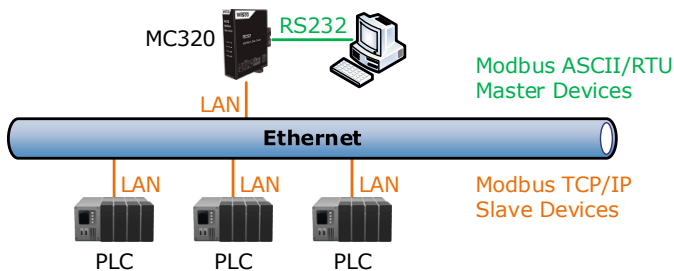
1. MC320
2. LAN Cable



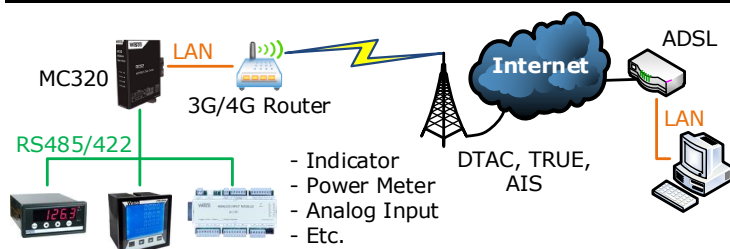
The Serial Master device connects to the Serial Slave device via an Ethernet network.



A Modbus TCP/IP device (Master) connects to multiple Serial Slave devices.



A Serial Master device connects to multiple Modbus TCP/IP devices via a Modbus Gateway (MC320).



Connection via the Internet.