

EB-2141-MB / EB-2241-MB

2 Port Modbus TCP to RTU/ASCII Gateway

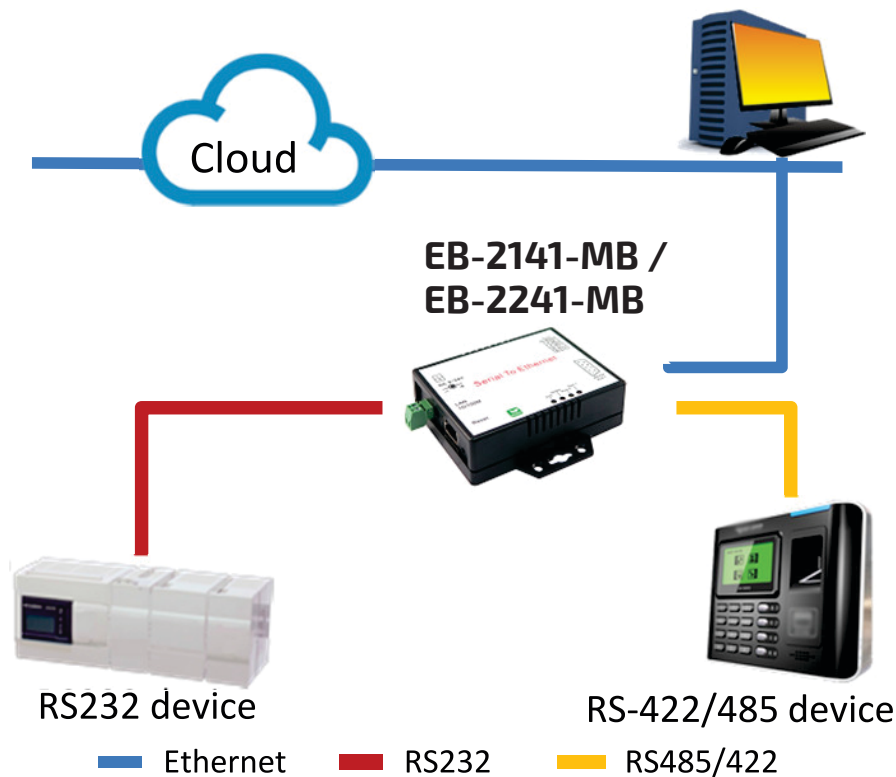


Feature

- Support Modbus TCP to Modbus RTU/ASCII Networks
- 4 Modbus modes Browser selectable
- Support 1 TCP Master or to 1 TCP Slave
- Built in 15KV ESD protection for all signals
- Web Browser configuration
- Easy installation Windows utility



Application Example



Specifications

Hardware

CPU	32-bit ARM-Cortex-M4 CPU , 120 MHz
RAM	256K bytes SDRAM
ROM	1M bytes Flash ROM
Watchdog	Built in H/W Watchdog timer

Ethernet

Port number	1
MDI / MDI-X	RJ-45 Connector
Speed	10 / 100 Mbps (Auto Detect)
Protocol	ARP, IP, ICMP, UDP, TCP, HTTP, DHCP
Mode	TCP Server / TCP Client / UDP / Virtual Com / Pairing
Setup	HTTP Browser Setup (IE, Chrome, Firefox)
Security	Login Password
Protection	Built-in 1.5KV Magnetic Isolation

Serial Interface

Port number	2
Connector	EB-2141-MB : RS-232/422/485 x 1 Port , RS- 422/485 x 1 Port (Auto Detect)
Connector	EB-2241-MB : RS-232 x 1 Port (DB9) , RS-422/485 x 1 Port (Auto Detect)
Speed	300 bps ~ 230.4 Kbps
Parity	None , Odd , Even , Mark , Space
Data Bit	RS-232 x 1 Port (DB9) , RS-422/485 x 1 Port (Auto Detect)
Stop Bit	1,2
Port 1 RS-232	Rx , Tx , GND
Port 2 RS-422	Rx+ , Rx- , Tx+ , Tx-
RS-485	Data+ , Data-
Built-in	RS-422/485 pull high / low Resistor
Protection	422/485 Surge & Over Current Protection Built in 15KV ESD protection for all signals

LED

LED	SYS (PWR), LAN, PORT 1, PORT 2
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Software Features

OS Supported	Support Win-8, Win-7 , Vista , Win-XP , Win- 2003 server , Win-10
Configuration	Window Utility, Web Browser

Power

Input	DC 9 ~30V, 300mA@ 12VDC
Consumption	< 4W

Environment

Temperature Operating: -10°C ~ 70°C (14°F ~ 158°F)
Storage: -20°C ~ 80°C (-4°F ~ 176°F)

Humidity Operating: 10% ~ 95% non-condensing
Storage: 5% ~ 95% non-condensing

Regulatory Approvals

RoHS Compliance

Warranty

Warranty period 1 year

Ordering Information

EB-2141-MB 2 Port Modbus TCP to RTU/ASCII Gateway-485

EB-2241-MB 2 Port Modbus TCP to RTU/ASCII Gateway

Due to continuous improvement, all product specifications are subject to change without further notice.