



EMG-12



EMG-02

**EMG-02 / EMG-10 / EMG-12**  
**General**

Ethernet / RS-485 Modbus Gateway for communicating PC with MPR / EPR and EPM series via Internet (WAN) and Intranet (LAN).

EMG-10 enables only one (1) online connection via internet / intranet. However, EMG-02 / EMG-12 enables max. 4 online connections via internet / intranet.

| Category                  | Description   |
|---------------------------|---|
| Network Protocols         | TCP/IP, ARP, ICMP, HTTP   |
| Serial Ports              | RS485 and USB for configuration   |
| Operation Modes           | ModbusTCP/RTU and Modbus Tunnel   |
| Network interface         | 10/100 Mbps auto-negotiation  |
| Serial Communication      | Data bits : 5-6-7-8 data bits<br>Stop Bits: 1-1.5-2 Characters<br>Parity: Odd, even, none   |
| Serial Interface          | 300-115200 bps  |
| Supply                    | 9-24V AC - 9-30V DC or (~75 mA) by the USB Port   |
| Insulation and Protection | RS485 port: 500V<br>Ethernet port: 1500V<br>15KV ESD Protection on USB Port<br>10/1000 µ transient pulse protection on RS-485 port (600W) |



RS-USB2

**USB Converter (RS-USB2)**

RS-485 / USB Converter for communicating PC with MPR / EPR and EPM-0x series.

**Technical Specifications**

USB 1.1 and USB 2.0 support  
300 - 115.200 bps baud rate  
Auto direction flow control on RS485  
Minimum 3000 V DC isolation protection  
Activation LED  
Deriving the power from USB port and no need for an external supply.  
Auto baud rate detection  
ESD (Electro-static discharge) protection



RPT-1

**RPT-1**  
**RS-485 to RS-485 REPEATER**

Variable Baud Rate  
300,...9600,...115k  
Variable Data Format

**Ürün Kodu**

| Product Code | Description               | Max. number of connected devices | 1 online connection | 4 online connection | Psc/ Carton | AC Adapter |
|--------------|---------------------------|----------------------------------|---------------------|---------------------|-------------|------------|
| RS-USB2      | RS-485/USB Converter      | 32                               |                     |                     | 1           |            |
| EMG-02       | Ethernet-Modbus Gateway   | 2                                |                     | ●                   | 1           | *          |
| EMG-10       | Ethernet-Modbus Gateway   | 32                               | ●                   |                     | 1           | *          |
| EMG-12       | Ethernet-Modbus Gateway   | 32                               |                     | ●                   | 1           | *          |
| RPT-1        | RS-485 to RS-485 Repeater | 32                               |                     |                     | 1           | *          |

\* A 230 V AC Adapter comes bundled with the device package.