QE-BR-ETH485

Bridge ModBus TCP (Ethernet) - ModBus RTU (RS485)

INTRODUCTION

Product description

The QE-BR-ETH485 is a ModBus TCP bridge (Ethernet server 10/100) to ModBus RTU (RS485 master).
It accepts up to 10 clients, and is equipped with an integrated WEB page for configuring the various communication parameters.

Product features

- Ethernet 10/100 Mb/s
- RS485 up to115200 bit/s
- Isolation at 1500V between power supply, RS485, Ethernet
- Indication LED of Communication, Power, Fail
- Max number of client Ethernet = 10
- Compliant: EN61000-6-4/2006 + A1 2011; EN64000-6-2/2005; EN61010-1/2010.

GENERAL SPECIFICATIONS

Supply specification

Voltage AC/DC	10 - 40 V_{DC} 19 - 28 V_{AC}
Power Consumption	< 1,5 W

Specification of communication port

Ethernet	10 - 100 Mb/s (MAX 10 Client)
RS485	1200 - 115200 b/s (MAX 247 slave)

Thermal specification

Worcking temperature	-20°C… +60°C
Storage temperature	-40°C… +85°C

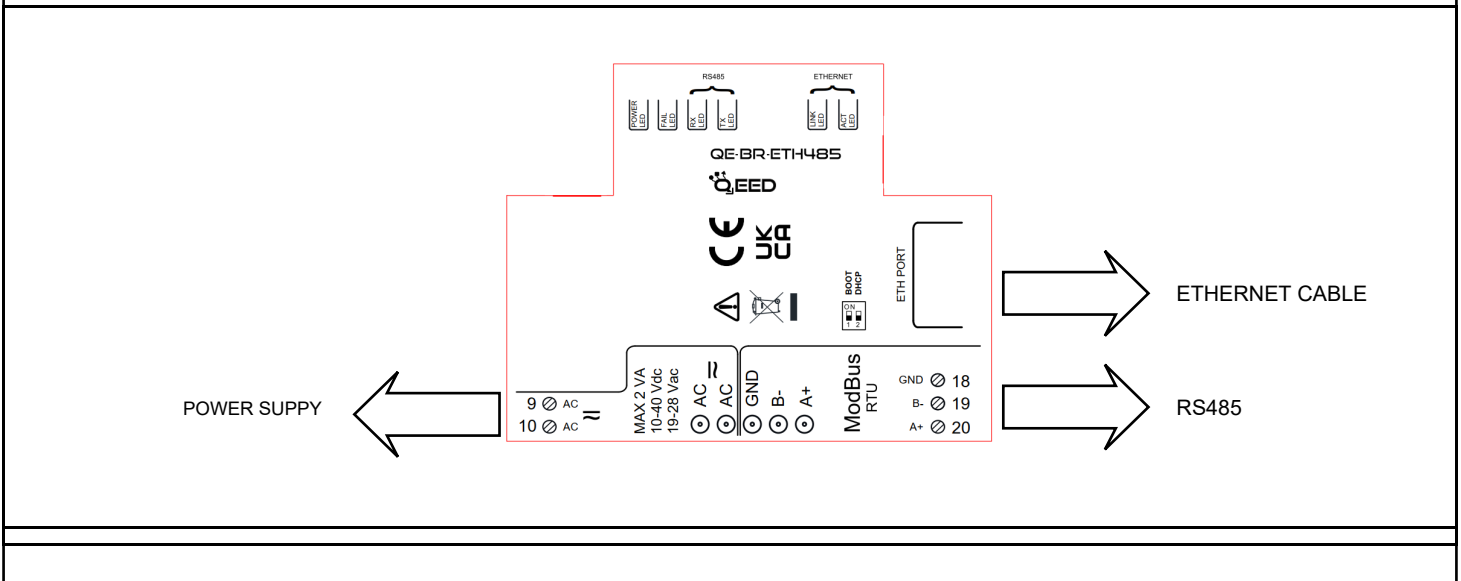### Mounting

Mounting	DIN rail (eventually with T-BUS)
Terminals	Pitch 3,5mm

INSULATIONS BETWEEN INPUTS AND OUTPUTS

	Power SUpply	Ethernet	RS485
Power Supply		1,5 KV	1,5 KV
Ethernet	1,5 KV		1,5 KV
RS485	1,5 KV	1,5 KV	

Electrical connection

DIP SWITCH SETTINGS

DIP 1	DIP 2	
OFF	OFF	Communication parameters from FLASH
ON	OFF	Default communication parameters (192.168.178.29; 115200,8,N,1)
OFF	ON	DHCP Enabled
ON	ON	BOOT LOADER enabled (for firmware update)

LED

Function	State	Meaning
Power (green)	Power On	Power supply ON
Fail (yellow)	Blinking Fast	Ethernet communication in progress (or Bootloader enabled, see DIP Switch)
	Blinking slow	Waiting for Ethernet communication
RX (red)	Blinking	The system is receiving data from the RS485
TX (red)	Blinking	The system is sending data from the RS485
LINK (yellow)	On	Connection to Ethernet network
ACT (yello)	Blinking	Activity on Ethernet network