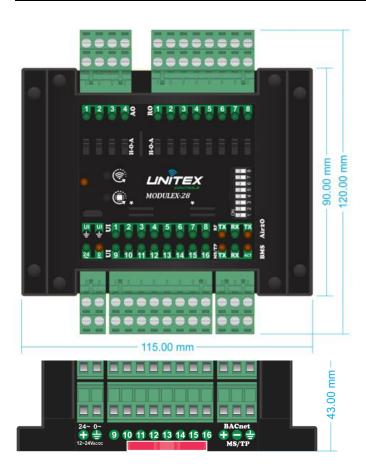
# **MODULEX-28**





# **Description**

This device is a special I/O module that has 28 I/O in total with the ability to connect it using:

- 1- Modbus Router
- 2- BACnet Gateway
- 3- IOT Cloud via Blynk server

The jumper on TOP card (J11-MODE) select the Modbus Router or BACnet Gateway function with IOT Blynk enabled.

### **Technical Data**

### Supply

Operating voltage : 12 ... 24 V AC/DC Current consumption : 100mA (AC)

Housing

Dimensions L x W x H : 115 x 120 x 43 mm

Weight : 250 g

Housing : IP31, Flame proof plastic

**Terminal blocks** 

Screw terminals : Pluggable

Wire diameter : Diameter  $\leq$  AWG 14 (2.5 mm<sup>2</sup>)

**Temperature range** 

Operation : -5 °C ... +55 °C Storage : -20 °C ... +70 °C

**RS-485** 

1/8 load non-isolated RS485 (isolated-optional).

Display

Operating : Heartbeat Orange LED

Power : Green LED
Fuse Fail : Orange LED

Tx/Rx/Activity (MS/TP) : Orange/Green/Orange LEDs



Interface

Protocol : RTU (Remote Terminal Unit)

Transmission rate : 9600 bps

8Bit Data/1Stop Bit/No Parity

Query rate min. : 200ms
Timeout min. : 200ms

Cabling : RS485 two wire bus

## **Support Functions**

- 1 Read Coil Status
- 2 Read Input Status
- 3 Read holding registers
- 4 Read input register
- 5 Force Single coil
- 6 Preset Single register
- 15 Force multiple coils
- 16 Preset multiple registers



#### **Interface**

Protocol : MS/TP (Master Slave Token Passing)
Transmission rate : 9600, 19200, 38400 (default), and

76800 bps

Cabling : RS485 two wire bus

### **Support Services**

- Confirmed Read property
- Confirmed Read property multiple
- Confirmed Write property
- Unconfirmed Who is
- Unconfirmed I am
- Unconfirmed Who has
- Unconfirmed I have
- Confirmed COV
- Unconfirmed COV Notification
- Confirmed COV Notification
- Confirmed Reinitialize Device



#### Interface

Protocol : Wi-Fi 2.4GHz, Serial UART 3V3 TTL

Transmission rate : 115200 bps

Cabling : ESP-01 Socket Pluggable