

# ZigBee To RS-232/422/485+Digital I/O

## Part No:MPEth-TCP/IP-ZS-201-DIO



**ZS-201-DIO** : ZigBee To RS-232/422/485+Digital I/O-Temp/Humi(option)

**ZS-201-DIO-h** : transmit output with 18 dBm high power

**CPU** : 16 bits CPU ,12 MHz , 5KB SRAM, 128KB Flash ROM

**ZigBee** : IEEE 802.15.4 compliant

- Freq. : ISM band 2400 ~ 2480MHz
- Receiver Sensitivity : -95 dBm
- Transmit Output Power : 3 dBm, (18 dBm for ZS-201-DIO-h )
- Sleep Current : 1uA (with active sleep timer)
- TX current < 24 mA , RX current < 28 mA
- Security processor ( 128 bits AES )
- Operation Voltage : 2.1 V~ 3.6V
- Antenna : SMA Type, 2 dBi . changeable
- Distance :Up To 150~200 Meters in free space ( 600~800 Meters for ZS-201-DIO-h )
- Data Rate : 250K bps
- Application mode : Mesh , Star

### Serial Port

- No.of Port : RS-232/422/485 \* 1 port ( auto Detect )
- RS-232 : Rx , Tx , GND , RTS , CTS ( DB9 female )
- RS-422 : Tx+ , Tx- , Rx+ , Rx- (Over Current ,Surge Protect )
- RS-485 : Data+ , Data- (Over Current ,Surge Protect)
- Built -in RS-422/RS-485 Terminal Resistor
- Speed : 1200 bps~115.2K bps
- Parity : None , Odd , Even
- Data Bit : 7, 8
- Stop Bit : 1 , 2
- Flow Control : RTS / CTS

### Digital I/O

- Digital Input \* 8
- 3000VDC Isolation Protect ( Active High /Active Low Selectable )
- Dry contact : Logic level 0 : close to GND , Logic level 1 : open

Wet contact : Logic level 0 : 0~3 V , Logic level 1 : 10 ~ 30 V

- Digital Output \* 3

Relay ( Active High /Active Low Selectable )

120V AC@10A , 240V AC@7A , 24V DC@10A

### **Temperature / Humidity** (option)

- Setup Tool : Windows Utility
- Power : DC 9 ~ 24V / 150ma @ 9V , 60ma @ 24V
- Led Lamp : SYS (red) , Pairing (green) , Rx(red) , Tx(green)
- Environment:Operating Temperature:-10°C ~75°C ,  
Storage Temperature:-20°C ~85°C
- Dimensions : 160 \* 90 \* 25 mm ( W \* D \* H )
- Weight : 350 gm ( not include power )



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