

# WSN-4510

# WSN-4520

WSN Router Node

WSN Modbus RTU Gateway



NEW

WSN-4510



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## Specifications

### General

- Connectors 1 x DB9-F (RS-232)
- Power Input 10~26 V<sub>DC</sub>
- Power Consumption 1.44 W @ 12 V<sub>DC</sub>
- Dimensions (LxWxH) 99 x 61.5 x 28 mm
- Mounting Wall mount

### Wireless Communication

- IEEE Standard IEEE 802.15.4
- Modulation Type O\_QPSK
- Frequency Band 2.4 GHz ~ 2.4835 GHz
- Channels 11-26
- RF Data Rate 250 kbps
- Transmit Power Typ. 19 dBm (±1.0 dBm)
- Receiver Sensitivity -96 dBm
- Topology Star / Tree
- Outdoor Range Up to 1000 m (2 dBi Antenna)

### Environment

- Operating Temp -10~65° C
- Storage Temp -20~80° C
- Operating Humidity 0~95% RH (non-condensing)
- Storage Humidity 0~95% RH (non-condensing)

## Ordering Information

- WSN-4510 WSN Router Node

## Specifications

### General

- Connectors 1 x Plug-in terminal block (#14-22 AWG)
- Power Input 10~26 V<sub>DC</sub>
- Power Consumption 0.6 W @ 12 V<sub>DC</sub>
- Dimensions (LxWxH) 99 x 61.5 x 28 mm
- Mounting Wall mount

### Wireless Communication

- IEEE Standard IEEE 802.15.4
- Modulation Type O\_QPSK
- Frequency Band 2.4 GHz ~ 2.4835 GHz
- Channels 11-26
- RF Data Rate 250 kbps
- Transmit Power Typ. 1 dBm (±1.0 dBm)
- Receiver Sensitivity -96 dBm
- Topology Star / Tree
- Outdoor Range Up to 250 m (2 dBi Antenna)

### Environment

- Operating Temp -10~65° C
- Storage Temp -20~80° C
- Operating Humidity 0~95% RH (non-condensing)
- Storage Humidity 0~95% RH (non-condensing)

### Serial Communication

- Port Type RS-485 (2-wire)
- Speed Modes (bps) 1200~38.4 k
- Supported Protocol Modbus RTU

## Ordering Information

- WSN-4520 WSN Modbus RTU Gateway