

WSN-4510

WSN-4520

WSN Router Node

WSN Modbus RTU Gateway

NEW



WSN-4510



Specifications

General

- **Connectors** 1 x DB9-F (RS-232)
- **Power Input** 10~26 V_{DC}
- **Power Consumption** 1.44 W @ 12 V_{DC}
- **Dimensions (LxWxH)** 99 x 61.5 x 28 mm (3.9" x 2.42" x 1.1")
- **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 (14~149° F)
- **Storage Temp** -20~80° C (-4~176° F)
- **Operating Humidity** 0~95% RH (non-condensing)
- **Storage Humidity** 0~95% RH (non-condensing)

Ordering Information

- **WSN-4510** WSN Router Node

*Note: Product not FCC approved in N. America.

NEW



WSN-4520



Specifications

General

- **Connectors** 1 x Plug-in terminal block (#14~22 AWG)
- **Power Input** 10~26 V_{DC}
- **Power Consumption** 0.6 W @ 12 V_{DC}
- **Dimensions (LxWxH)** 99 x 61.5 x 28 mm (3.9" x 2.42" x 1.1")
- **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 (14~149° F)
- **Storage Temp** -20~80° C (-4~176° F)
- **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

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