WSN-4011
WSN-4051
WSN-4061

3-ch Analog Input Node
4-ch Digital Input Node
3-ch Relay Output Node

NEW

WSN-4011   CE   RoHS COMPLIANT 2002/95/EC

NEW

WSN-4051   CE   RoHS COMPLIANT 2002/95/EC

NEW

WSN-4061   CE   RoHS COMPLIANT 2002/95/EC

Specifications

General
- **Connectors** 1x Plug-in terminal block (#14~22 AWG)
- **Power Input** 10~26 V_{DC}
- **Power Consumption** 0.28 W @ 12 V_{DC} (1 second update interval)
- **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
- **Update Interval** 1~65535 second
- **Outdoor Range** Up to 250 m (2 dBi Antenna)

Analog Input
- **Channels** 3
- **Resolution** 12 bit
- **Input Impedance** > 5 MΩ (voltage) 120Ω (current)
- **Input Type** mV, V, mA
- **Input Range** 0~5 V, 0~10 V, 4~20 mA
- **Sampling Rate** 1 sample/second
- **Accuracy** ± 0.4% or Better (voltage) ± 0.4% or Better (current)
- **CMR @ 50/60 Hz** 120 dB
- **NMR @ 50/60 Hz** 100 dB

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-4011** 3-ch Analog Input Node

Specifications

General
- **Connectors** 1x Plug-in terminal block (#14~22 AWG)
- **Power Input** 10~26 V_{DC}
- **Power Consumption** 0.5 W @ 12 V_{DC} (1 second update interval)
- **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
- **Update Interval** 1~65535 second
- **Outdoor Range** Up to 250 m (2 dBi Antenna)

Digital Input
- **Channels** 4

Input Level
- **Dry Contact:** Logic level 0: close to GND Logic level 1: open

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-4051** 4-ch Digital Input Node

Specifications

General
- **Connectors** 1x Plug-in terminal block (#14~22 AWG)
- **Power Input** 10~26 V_{DC}
- **Power Consumption** 1.07 W @ 12 V_{DC} (1 second update interval)
- **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
- **Update Interval** 1~65535 second
- **Outdoor Range** Up to 250 m (2 dBi Antenna)

Relay Output
- **Channels** 3 x form A
- **Contact Rating** 5 A @ 250 V_{AC} 5 A @ 30 V_{DC}
- **Insulation Resistance** 1 GΩ min. at 500 V_{DC}
- **Breakdown Voltage** 500 V_{DC} (50/60 Hz)
- **Relay on time** 8 msec
- **Relay off time** 4 msec
- **Max Switching Rate** 10 operations/minute

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-4061** 3-ch Relay Output Node