

# WSN-4011

# WSN-4051

# WSN-4061

3-ch Analog Input Node

4-ch Digital Input Node

3-ch Relay Output Node

19  
Motion Control

20  
Serial & Wireless I/O

21  
Ethernet I/O



## Specifications

### General

- Connectors 1x Plug-in terminal block (#14-22 AWG)
- Power Input 10-26 V<sub>DC</sub>
- Power Consumption 0.28 W @ 12 V<sub>DC</sub> (1 second update interval)
- 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
- 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 (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-4011 3-ch Analog Input Node

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

## Specifications

### General

- Connectors 1x Plug-in terminal block (#14-22 AWG)
- Power Input 10-26 V<sub>DC</sub>
- Power Consumption 0.5 W @ 12 V<sub>DC</sub> (1 second update interval)
- 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
- 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 (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-4051 4-ch Digital Input Node

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

## Specifications

### General

- Connectors 1x Plug-in terminal block (#14-22 AWG)
- Power Input 10-26 V<sub>DC</sub>
- Power Consumption 1.07 W @ 12 V<sub>DC</sub> (1 second update interval)
- 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
- 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<sub>AC</sub> 5 A @ 30 V<sub>DC</sub>
- Insulation Resistance 1 GΩ min. at 500 V<sub>DC</sub>
- Breakdown Voltage 500 V<sub>DC</sub> (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 (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-4061 3-ch Relay Output Node

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