ADAM-2051Z
ADAM-2051PZ

Wireless 8-ch Digital Input Node

Wireless 8-ch Digital Input Node with Power Amplifier

NEW

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R&TTE SRRC FCC CE RoHS

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Specifications

Digital Input

- **Channels** 8
- **Input Resistance** 10 Kohm
- **Input Level**
  Logic Level 0 0~0.8 Vmax
  Logic Level 1 2.0 Vmin~5.0 Vmax
  Supports wet and dry contacts

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Ordering Information

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Common Specifications

Wireless Communication

- **IEEE Standard** IEEE 802.15.4
- **Modulation Type** DSSS (OQPSK)
- **Frequency Band** ISM 2.4 GHz
  (2.4 GHz ~ 2.4835 GHz)
- **Channels** 11 - 26
- **RF Data Rate** 250 Kbps
- **Transmit Power Typ.** ADAM-2051Z: Typ. 3 ± 1 dBm
  ADAM-2051PZ: Typ. 19 ± 1 dBm
- **Receiver Sensitivity** -97 dBm
- **Topology** Star / Tree / Mesh
- **Outdoor Range** ADAM-2051Z: 110 m
  ADAM-2051PZ: 1000 m
- **Function** End Device

General

- **Connectors** 1 x plug-in terminal block (#14 ~ 22 AWG)
- **Power Input** Unregulated 10 ~ 30 V_{DC}
- **Battery Input** 2 x AA Alkaline
- **Power Consumption** 0.3 W @ 24 V_{DC}
  Battery AA * 2
  380 uW @ 3 V_{DC} (1 minute Tx Interval)
  220 uW @ 3 V_{DC} (2 minute Tx Interval)
  130 uW @ 3 V_{DC} (5 minute Tx Interval)

Environment

- **Operating Temperature**
  External Power -20°C ~ 70°C (-4°F ~ 157.9°F)
  Battery Power 0°C ~ 50°C (32°F ~ 122°F)
- **Storage Temperature** -40°C~ 85°C (-40°F ~ 184°F)
- **Operating Humidity** 20~95% RH
- **Storage Humidity** 0~95% RH