ADAM-2520Z
Wireless Modbus RTU Gateway

ADAM-2510Z
Wireless Router

Features
- 2.4 GHz IEEE 802.15.4 compliant RF
- Provides RS-422/485 and USB interfaces
- Multiple power input design

Specifications

General
- Function: Coordinator
- Network Capacity: 32 nodes (Routers & End Devices) (Based on user's configuration)
- Range Extenders: Maximum 5 Hops
- Protocol: Modbus RTU
- Power Consumption:
  - 0.8 W @ 24 VDC
  - 0.5 W @ 5 VDC (USB)
  - 0.3 W @ 3 VDC (Battery AA * 2)

Ordering Information
- ADAM-2520Z

ADAM-2510Z
Features
- Easy maintenance and field installation
- Low duty wireless communication
- Smart and simple indicator design
- Extends network range and coverage

Specifications

General
- Function: Router
- Power Consumption:
  - 0.8 W @ 24 VDC
  - 0.3 W @ 3 VDC (Battery AA * 2)

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:
  - 3 ± 1 dBm (ADAM-2031Z)
  - 15 ± 1 dBm (ADAM-2017PZ)
- Receiver Sensitivity: -97 dBm
- Topology: Star / Tree / Mesh
- Outdoor Range: 1000 m with line of sight (with 2 dBi Antenna)

General
- Connectors:
  - 1 x plug-in terminal block (#14 – 22 AWG)
  - 1 x USB-type A connector (type A to B cable provided) (ADAM-2520Z only)
- Power Input:
  - Unregulated 10 – 30 VDC
  - or USB 5 VDC (ADAM-2520Z only)
- Battery Input: 2 x AA Alkaline

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

All product specifications are subject to change without notice

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