ADAM-2520Z
ADAM-2510Z

Wireless Modbus RTU Gateway
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)
- 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 Wireless Modbus RTU Gateway

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
- ADAM-2510Z Wireless Router

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 -20°C – 70°C (-4°F – 157.9°F)
  Battery Power -20°C – 70°C (-4°F – 157.9°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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