



ZUZ-242

Features

- ✓ Supports ISM 2.4 GHz operating frequency
- ✓ Fully compliant with ZigBee specification 2.4G IEEE 802.15.4
- ✓ Wireless transmission range up to 100 meters
- ✓ Provides GUI configuration software
- ✓ DIN Rail mountable



Overview

The Zebra ZUZ-242 is ZigBee repeater that can be used with ZUZ-110 and ZUZ-111 Ethernet to ZigBee converters to increase the communication distance. ZigBee is a specification based on the IEEE 802.15.4 standard for wireless personal area networks. It operates in the ISM radio bands and focuses on inexpensive, self-organizing, mesh network that can be used for industrial control, embedded sensing, medical data collection, smoke and intruder warning, building automation, home automation etc.

Hardware Specifications

Interface

Setting port: 512K Bytes

Compatibility: USB 1.1. and 2.0 standard

Driver supported: Windows 98 / ME / 2000 / XP / Linux / Vista

Power

Power Input: VDC 10~30V

Power Protection: Power reverse polarity protection

EMS Protection: EDS, Surge, EFT

Power Consumption: 1.5 watts

Dimensions: IP-20 standard, 33 mm (W) x 107 mm (H) x 78 mm (D),
Flammability UL 94V-0 standard

Installation: DIN-Rail, panel mount or desktop

Environmental

Operating Temperature: -25 to 75°C

Storage Temperature: -40 to 80°C (-40 to 180°F)

Operating Humidity: 5% to 90% RH (non-condensing)

Regulatory Approvals: FCC Class A, CE, TUV

Environmental: WEEE, RoHS

MTBF: 300,6000 hrs based on Mil-Hdbk-217F, GB

Warranty: 2 years

Wireless Specifications

RF Channels: 16

Receive Sensitivity: -102 dBm

Transmit Power: 12 dBm

Data Encryption: 128-bit AES

Network Topology: Star, Mesh, Cluster Tree

Antenna: 2.4 GHz – 3 dBi Omni-directional antenna