

Datasheet

Version 0.1

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History

Version	Date	Note
V0.1	2014-11-12	Initial Release

Notes:

Hardware version V0.1

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Fig. 1 Z108A Appearance

Introduction

Netvox Z108A, a ZigBee USB Dongle, acts as a coordinator or a router in ZigBee network. It is designed for a computer or a gateway to communicate with ZigBee network. Users can search devices, send commands, control devices, or perform customized scheduling using ZigBee applications.

Main Features

- Fully IEEE 802.15.4 compliant
- Utilizes 2.4GHz ISM band; up to 16 channels
- Power supply: USB port
- Up to 300 meters wireless transmission range in non-obstacle space
- Easy installation and configuration

Electric Parameters

Working power	USB 5VDC
Receiving current (typ.)	45mA (typ.)
Transmitting current (typ.)	60mA (typ.)

Frequency Parameters

Frequency range	2.4 ~ 2.4835 GHz
Channel numbers	16
Spread technique	DSSS (O-QPSK)
Data transfer rate	250 Kbps
TX power	7dBm
Rx sensitivity	-99dBm
Antenna type	Build-in antenna
Communication rang	300 meters (line-of-sight)

Physical Parameters

Dimension	27.8mm x 16mm x 7mm
Working Temp.	-10°C — 50°C
Storage Temp.	-40°C — 85°C