Wireless Infrared Gateway with 4 External Ports

Wireless Infrared Gateway with 4 External Ports Z211 Data Sheet

Wireless Sensor Network Based on ZigBee Technology

Z211

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General Description

The Z211 is a smart router and high-reliability network router for indoor use. It integrates a chip module that conforms to the ZigBee ProTM wireless protocol and can communicate with routers, coordinators and terminals of the ZigBee network.

The Z211 is a ZigBee device capable of IR IR learning and IR applications. After IR learning, it can directly control electrical devices that can receive IR control, and can receive IR signals from the infrared remote control to directly control ZigBee devices.

Main Characteristics

- Compliant with ZigBee ProTM protocol specifications for ZigBee networks
- Use the 2.4GHz ISM band for a total of 16 channels
- Wireless communication distance is 120 meters (depending on the specific environment)
- Built-in serial communication FLASH memory AT25SF041, 4Mbits capacity
- Infrared receiving and transmitting functions

Electric Parameters

Power Supply	+12V DC adapter
Static Working Current	50mA/12V/0.6W
Infrared Signal Learning Frequency	38KHz
Infrared Signal Control Distance	32 meters

Frequency Parameters

Frequency Range	2.4 ～ 2.4835 GHz
Channel Numbers	16 (ISM 11th to 26th channels)
Data Transfer Rate	250 Kbps
Spread Technique	DSSS（O-QPSK）
TX Power	7dBm
Rx Sensitivity	-101dBm
Antenna Type	Build-in antenna
Communication Rang	210m (line-of-sight)

Physical Parameters

Dimension	D:106mm H:30.6mm
Working Temp.	-10℃ ～ 50℃
Storage Temp.	-40℃ ～ 85℃
Humidity	＜95%RH (No condensation)

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