DATA SHEET

Description

The 2.4 GHz WLAN signal booster is designed for IEEE 802.11b/g/n Wireless LAN applications. It adopts the direct sequence spread spectrum (DSSS) and orthogonal frequency division multiplexing (OFDM) technology of WAN communication. The product is compatible with time division duplexing (TDD) method of WLAN and using rapid microwave detection technology to provide high linearity amplification. The signal booster can work with most WLAN/Wi-Fi devices and increase the WLAN signal strength, therefore a larger WLAN coverage and more stable transmission rate.

Key Features

- 20X the power, Improving the link quality and coverage of certified WLAN devices
- Ultra-low noise, improve the receiving sensitivity, and extended receiving distance
- Wide 8V to 16V operating input range
- Working with certified IEEE 802.11b/g/n Wireless LAN devices
- Simply plug and play, no software is required
- All metal covering, improve heat dissipation

Specifications

- Frequency Range: 2.4~2.5GHz
- Operating Voltage: 12V
- Receiving Gain: 25dB±1
- Transmission Gain: 13dB±1
- Input Trigger Power: Min: 3dBm Max: 20dBm
- Maximum Output Power (P1dB): 37dBm (5W)
- EVM: 3%@29dBm 802.11g 54Mbps OFDM 64QAM BW 20MHz
- DC Supply Current: 575mA@Pout 29dBm 12V
- Noise Figure: ＜2.5dB
- TX/RX Switch Time Delay：＜1us

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- LED Indicator: Transmitter: Green; Receiver: Red; Transducers: Orange
- Operating Ambient Temperature: -20℃～+70℃
- Operating Humidity: ＜95%RH
- Dimension: 103.5mm×96.5mm×30.5mm
- Net Weight: 0.3Kg

Installation Instructions

- Step 1: Disconnect power supply to AP/Router;
- Step 2: Detach the antenna from your certified wireless AP/Router
- Step 3: Connect Rg316 cable to the booster and AP/Router
- Step 4: Connect the antenna to the other end of the booster
- Step 5: Connect the power supply to the booster first and subsequently the AP/Router

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