

TM6111F 2.4GHz High power Booster for extending Communication Distance

Introduction

TM6111F is an indoor 2.4 GHz high power booster full pack, including a 1 Watt booster, RF Cable, power adaptor 120-240V, and an installation guide.

It is full TDD duplex. It will be always in listen mode, and switch to Tx mode while the input power $>2\text{dBm}$ to Booster. The switching time is $2\text{ms} < \text{preamble timing in IEEE802.11.b/g/n}$.

The booster is good for long distance application in WiFi, Zigbee, etc..

Applications and Notes

1. The booster is a bidirectional, with Tx/Rx mode. Always in Listen mode (Rx mode), except Tx requested by system.
2. The output power is 30dBm at P1dB point while input power is 8 dBm while its Gain is 22dB.
3. There is a Pei-Attenuator (3 resistors) to adjust the Gain to get best power out.
4. The 1st step of installation procedure is connecting Antenna to Booster, and then turn "power" on to prevent the output RF power reflected destroys the output stage of Booster.
5. The LED light indicates normal power on and blinking is in Transmitting mode.

