



WBT-500 / WBT-1000

2.4GHz 0.5W/1W WLAN Booster

The WBT-500/1000 is a high performance two-way amplifier using Time Division Duplex (TDD) technology and operating on the 2.4GHz ISM band. It is used at outdoor to extend the range of wireless radio communication.

The output power of WBT-500 is 500mW (27dBm), and of WBT-1000 is 1000mW (30dBm). The standard package of WBT-500/1000 includes a DC injector, which provides DC power to the outdoor booster, or transponder through the RF feed cable without an additional power cord. The connectors of both booster and DC injector are all female N type connectors, which fit all PLANET outdoor antennas.

▶▶ KEY FEATURE

- ❑ 2400~2500 MHz unlicensed ISM Band
- ❑ Provides DC Power to the booster without an additional Power cord
- ❑ Booster has 500/1000mW output power levels
- ❑ 20dB receive gain for the booster
- ❑ Bi-directional TDD technology
- ❑ Transmitter and receiver LED indicator
- ❑ Waterproof housing
- ❑ Compatible with IEEE 802.11b and 802.11g
- ❑ Extending transmission distance
- ❑ Enhance signal strength

SPECIFICATION

Product	2.4GHz 0.5W/1W WLAN Booster
Model	WBT-500/1000
Booster	
Operating Frequency	2400 – 2500MHz
Operating Mode	Bi-directional TDD (Time Division Duplex)
Transmitter Output Power	WBT-500: 500mW (27dBm) WBT-1000: 1000mW (30dBm)
Transmitter Input Power	2dBm – 15dBm
Receiver Input Power	-16dBm (max.)
Receiver Gain	20dB
Frequency Response Flatness	± 1dB over operating range
Noise Figure	< 4dB
Switch Time	< 1μs
Connectors	N-type female (50Ω)
Dimension (L x W x H)	120 x 72 x 17.5 mm
Weight	380g
Operating Temperature	-30 – 70 degree C
DC Injector	
Input Power	9V, 2.5A
Connectors	N-type female (50Ω)
Dimension (L x W x H)	99.1 x 53.5 x 21.2 mm
Weight	165g

ORDERING INFORMATION

- **WBT-500** 2.4GHz 0.5W WLAN Booster
- **WBT-1000** 2.4GHz 1W WLAN Booster