

LP-8097E (100mW)

Compliant 802.11 a/b/g/n/ac Draft 2.0 2T2R Wireless USB 3.0 Dongle



Main Features

- Support advanced 2 x 2 Technology with up to 867Mbps up and down stream data rate
- Complied with 2.4GHz&5GHz IEEE802.11 a/b/g/n/ac draft 2.0 standards
- 20MHz and 40MHz,80MHz bandwidth transmission
- Wireless security - 64/128bit WEP, WPA, WPA2
- QoS Enhancement WMM
- DSSS with DBPSK and DQPSK, CCK modulation with long and short preamble
- OFDM with BPSK, QPSK, 16QAM and 64QAM,256QAM modulation.
- USB 3.0 Interface
- WPS hardware button
- Support Soft AP

Specification

Standard

IEEE 802.11 a/b/g/n/ac Draft 2.0

Antenna

External Antenna*2

Chipset – Realtek RTL8812AU

Frequency Band

2.4G 2.400GHz ~ 2.484GHz unlicensed ISM band

5G 5180GHz ~ 5805GHz unlicensed ISM band

Modulation Technique

Orthogonal frequency division multiplexing(OFDM)

Direct Sequence Spread Spectrum

(CCK, DQPSK, DBPSK)

Security

64/128 bit WEP

WPA

WPA2(TKIP/AES)

Output Power

2.4GHz

802.11b: up to 18 ± 1 dBm

802.11g: up to 16 ± 1 dBm

802.11n: up to 15 ± 1 dBm

5GHz

802.11a: up to 14 ± 1 dBm

802.11n: up to 13 ± 1 dBm

802.11ac: up to 12 ± 1 dBm

Data Rate

802.11a : 54 Mbps

802.11b : 11 Mbps

802.11g : 54 Mbps

802.11n : 300 Mbps

802.11ac : 867 Mbps

Operation Voltage - 5V DC

Interface - USB 3.0

Operation system Support

Window®XP ,Vista ,Win 7 ,Win 8

Operation Temperature

0°C ~ 60°C ambient temperature

Storage Temperature

0°C ~ 70°C ambient temperature

Storage Humidity

10% ~ 90% (Non-condensing)

Sensitivity

-66dBm @ 802.11a

-85dBm @ 802.11b

-74dBm @ 802.11g

-71dBm @ 802.11n

-56dBm @ 802.11ac

Working mode

Infrastructure

Ad-Hoc

Soft AP