

## LP-9094 500mW

802.11 a/b/g/n/ac HI-POWER AC WiFi Adapter PCI-E Card



### Main Features

- Complies with IEEE802.11 a/b/g/n/ac standards.
- Two detachable dual band 5dbi antennas.
- 2T2R with 867Mbps PHY rate for both transmit and receiving.
- Wireless security – 64/128bit WEP, WPA, WPA2.
- The adapter includes a desktop antennas stand for even better Wi-Fi performance.
- The antennas stand has a magnetic base to allow for easy mounting to the side of a PC case.
- The LP-9094 adds long range, ultra-fast, 2.4GHz/5.0GHz connectivity to your desktop PC.
- Legacy and High throughput modes.
- Qos-WMM, WMM-PS.
- Multiple BSSID Support.
- Support Soft AP.

## Technical Specifications

### Standard

- IEEE 802.11 a/b/g/n/ac

### CPU-Platform

- Realtek RTL8812AE

### Antennas

- High Gain Dual Band Antennas
- 2 x RJ-SMA Antenna Connectors.

### Frequency Band

- 2.4 GHz/5 GHz

### Data Rate

- 2.4 GHz : 300Mbps (Tx/Rx)
- 5.0 GHz : 867Mbps(Tx/Rx)

### Amplifiers

- 2 x 2.4 GHz Amplifiers
- 2 x 5.0 GHz Amplifiers
- 4 x Low Noise Amplifiers

### Media Access Control

- CSMA / CA

### Sensitivity

- -91dBm @ 802.11b (2.4GHz)
- -87dBm @ 802.11g (2.4GHz)
- -85dBm @ 802.11n (2.4GHz)
- -90dBm @ 802.11a (5.0GHz)
- -90dBm @ 802.11n (5.0GHz)
- -58dBm @ 802.11ac (5.0GHz)

### Security

- 64/128 bit WEP
- WPA (TKIP with IEEE 802.1x)
- WPA2 (AES with IEEE 802.1x)

### Driver Support

- Windows XP @ 32bit / 64bit
- Windows Vista @ 32bit / 64bit
- Windows 7 @ 32bit / 64bit
- Windows 8 @ 32bit / 64bit
- Windows 8.1 @ 32bit / 64bit

### RF Output Power (2.4GHz)(EIRP)

- 802.11b: up to  $28.29 \pm 1$  dBm
- 802.11g: up to  $28.29 \pm 1$  dBm
- 802.11n: up to  $29.14 \pm 1$  dBm

### RF Output Power (5.0GHz)(EIRP)

- 802.11a: up to  $28.03 \pm 1$  dBm
- 802.11n: up to  $31.13 \pm 1$  dBm
- 802.11ac: up to  $30.27 \pm 1$  dBm

### Working Mode

- Infrastructure
- Ad-Hoc
- Soft AP

### Host Interface

- PCI-E

### QoS enhancement

- WMM, WMM-SA

### Operation Temperature

- $0^{\circ}\text{C} \sim 55^{\circ}\text{C}$  ambient temperature

### Storage Temperature

- $10^{\circ}\text{C} \sim 90^{\circ}\text{C}$  (non-condensing)

### Certifications

- FCC Part 15B
- FCC Part 15C\_ IEEE802.11 a/b/g/n/ac