



USB Adapter 802.11n

QP - W4400NUSB

Wireless USB adapter, Draft, 300 Mbps

Features

- Compatible with 802.11n draft specification version 2.0.
- Backward compatible with 802.11b/g devices while operating at 802.11n data rate.
- 2.4GHz WLAN MAC/BB processing.
- Providing USB 2.0 connector.
- 1x2 MIMO technology improves effective throughput and range over existing 802.11b/g products.
- Data rates of up to 130 Mbps for 20MHz channels and 300 Mbps for 40 Mhz channels.
- 802.11e-compatible bursting.
- Standards Supported:
- 802.11e QoS Enhancement (WMM, WMM-SA Client mode).
- 802.11h TPC, DFS, Spectrum Measurement.
- 802.11k Radio Resource Measurement.
- 802.11i (WAP, WAP2). Open, shared key and pair-wise key authentication.

Specifications

Standards:

IEEE 802.11b/g & Draft IEEE 802.11n

Antenna build in antenna*2

Frequency Band:

2.4GHz~2.484GHz unlicensed ISM band

Modulation Technique:

- Orthogonal frequency division multiplexing (OFDM)
- Direct Sequence Spread Spectrum (PBCC, CCK, DQPSK, DBPSK)
Security: 64/128bit WEP/WPA/WPA2 (TKIP/AES)

Output Power:

- 11n: 13dBm (Typical)+/-1
- 11g: 14dBm (Typical)+/-1
- 11b: 17dBm (Typical)+/-1

Data Rate:

- 11n: 300, 150, 54, 48, 36, 24, 12, 9, 6, 11, 5.5, 2, 1 Mbps (Auto Rate Sensing)
- 11g: 54, 48, 36, 24, 18, 12, 9 and 6 Mbps with auto-rate fall back
- 11b: 11, 5.5, 2 and 1 Mbps with auto-rate fall back

Transmission Distance:

- Indoor up to 30m, output to 100m (it is limited in an environment).

Sensitivity:

- 54 Mbps: -68dBm
- 11 Mbps: -80dBm

Working Mode:

Ad-Hoc or Infrastructure

Operating Voltage:

5V

Host Interface:

PCI Interface 2.2

Operating Temperature:

0~55°C ambient temperature

Storage Temperature:

-20~70°C ambient temperature

Operating & Storage Humidity:

10%~90% maximum (non-condensing)

Storage Humidity:

5%~95% non-condensing

Operating System Support:

Windows 2000/XP/32/64/ Vista 32/64

Approval:

- FCC Part 15
- CE

