

MACH-WiFi 11N-type Adapter



Features

The WiFi11N Wireless N USB Adapter complies with IEEE802.11n, IEEE 802.11g, and IEEE 802.11b standards. Wireless transmission rates can reach up to 300Mbps. The adapter employs MIMO technology and has internal Intelligent Antennas providing even better wireless performance, transmission rates, stability and coverage. This product supports 64/128-bit WEP encryptions, as well as WPA/WPA2 encryptions. This product can also simultaneously operate bandwidth intensive applications such as voice, and video.

Applications using a lot of bandwidth that are sensitive to interruptions such as voice and video applications are given priority in order to assure quality. It also works well with other 11g and 11n protocol wireless products.

- IEEE 802.11b/g/n compatible WLAN , Maximum data rate 54Mbps in 802.11g and 300Mbps in 802.11n.
- Compatible with 802.11n draft 2.0 specification
- Complies with USB 2.0
- IEEE 802.11e QoS Enhancement (WMM)
- IEEE 802.11h TPC, Spectrum Measurement
- IEEE 802.11i (WPA, WPA2). Open, shared key, and pair-wise key authentication services
- One Transmit and Two Receive path (1T2R)
- MIMO technology with stronger signal penetration strength, wider wireless coverage, providing better performance and stability
- 20/40MHz interoperable channels dramatically increase performance
- Supports Roaming technology, guaranteeing efficient wireless connections.
- Supports Windows 2000/XP/Vista OS
- DSSS with DBPSK and DQPSK, CCK modulation with long and short preamble
- OFDM with BPSK, QPSK, 16QAM, and 64QAM modulation. Convolutional Coding Rate: 1/2, 2/3, 3/4, and 5/6
- Programmable scaling in transmitter and receiver to trade quantization noise against increased probability of clipping
- Fast receiver Automatic Gain Control (AGC)

Technical Specs

Item	Description
Standards	IEEE 802.11n, IEEE 802.11g, IEEE 802.11b
Frequency Range	2.4.....2.4835 GHz
Wireless Tx Power	20 dBm
Modulation type	OFDM/CCK/16-QAM/64-QAM
Data Rates Supported	IEEE 802.11b: up to 11 Mbps IEEE 802.11g: up to, 54 Mbps IEEE 802.11n: up to 300Mbps
Interface	USB 2.0 Hi-Speed
Security Features	Support 64/128-Bit WEP encryption, WPA-PSK, WPA2-PSK