

Product description:

The WL84E Wireless N Mini PCI-E Adapter complies with IEEE 802.11n (Draft 2.0), IEEE 802.11a, IEEE 802.11g, and IEEE 802.11b standards. Wireless transmission rates can reach up to 300Mbps. This product supports 64/128-bit WEP encryptions and DFS in requires 5-GH bands, as well as WPA/WPA2 and WPA-PSK/WPA2-PSK encryptions and mechanisms in addition to the adapter's QSS (Quick Secure Setup) feature, allowing users to quickly and easily configure wireless security. 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

Product features:

- ◆ Complies with IEEE 802.11n(draft 2.0), IEEE 802.11a, IEEE 802.11g, IEEE 802.11b standards
- ◆ Provides Mini PCI-E interface
- ◆ 20/40MHz interoperable channels dramatically increase performance
- ◆ Up to 300Mbps data transfer rate in 802.11n mode of operation
- ◆ Supports Wi-Fi Protected Security (WPS), supports 64/128-bit WEP, complies with 128 bit WPA standard(TKIP/AES), supports MIC, IV Expansion, Shared Key Authentication, IEEE 802.1X
- ◆ Simple Configuration and monitoring
- ◆ Supports Roaming technology, guaranteeing efficient wireless connections.
- ◆ Simple and easy to use user manageable software for a relaxed easy configuration of wireless client.
- ◆ Compatible with 802.11g and 11b equipment, Intel Centrino Compatibility tested
- ◆ Supports Windows XP/Vista ,Win7 OS

Product specifications:

Standards and Protocols	IEEE 802.11n (draft 2.0), IEEE 802.11a, IEEE 802.11g, IEEE 802.11b, CSMA/CA with ACK
Interface Type	Mini PCI-E interface
Frequency Band	2412~2462MHz, 5180~5825MHz
Transmission Rate	11n: 270/243/216/162/108/81/54/27Mbps 135/121.5/108/81/54/40.5/27/13.5Mbps 130/117/104/78/52/39/26/13Mbps 65/58.5/52/39/26/19.5/13/6.5Mbps
	11a: 54/48/36/24/18/12/9/6M(adaptive)
	11g: 54/48/36/24/18/12/9/6M(adaptive)
	11b: 11/5.5/2/1M(adaptive)
Channels	1~11 (US, Canada) ; 1~13 (Europe) ; 1~14 (Japan)
Frequency Expansion	DSSS (Direct Sequence Spread Spectrum)
Data Modulation	BPSK, QPSK, CCK and OFDM (BPSK/QPSK/16-QAM/ 64-QAM)
Sensitivity @PER	11n HT40: -61dBm@10% PER 11n HT20: -64dBm@10% PER 11g: -65dBm@10% PER 11b: -85dBm@8% PER
RF Power	27dBm(max)
Transmission Distance	Indoor up to 100m , outdoor up to 300m (it is limited in an environment)
LED Status	Status
Exterior Dimensions (L x W x H)	50 x 30 x 3.5mm
Operable Environments	Operating Temperature: 0°C~40°C (32°F~104°F) Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% RH non-condensing
Safety & Emission	FCC, CE
Operation System	Windows XP/Vista , Win7