



300Mbps Wireless 802.11N PCI-E Adapter

Model: EP-9601

Description

Up to 300Mbps downlink and 150Mbps uplink faster speed, EP-9601 is a Wireless-N PCI-E Adapter with IEEE 802.11n (draft) compatible that is fully backward compatible with IEEE802.11g/b standards. Therefore, it is an ideal device for home and SOHO networking to share high speed internet connection, files, printers, and multimedia communications with the flexibility, speed and security you need.

The Wireless-N PCI-E Adapter installs in most desktop or server and lets you put your computer almost anywhere in the building. In order to solve weakness of wireless signal problem, enhanced MIMO technology enables you to very easily extend the range of your wireless network up to 3 times farther wireless range than regular IEEE802.11b/g standard.

This Wireless-N PCI-E Adapter comes with software drivers for the most popular Microsoft Windows operating systems and can be integrated into a larger network, running Windows XP, 2000, Vista in either Ad Hoc mode (without an Access Point) or Infrastructure mode (with an Access Point).

WEP encryption and WIFI Protected Access (WPA), and further enhanced with 802.1x authentication security. With drivers and utility available for most commonly used Windows OS. The 2.4GHz 802.11n/g/b Wireless-N PCI-E Adapter is a truly solid-design networking device that provides you with the ultimate freedom of wireless networking anywhere.

A setup wizard is provided as the part of the web configuration utility. You can simply follow the step-by-step process to get your wireless-N PCI adapter configuration ready to run in few easy steps.



Infrastructure Mode Application Diagram

The AP Router establishes an infrastructure mode for networking between all wireless clients and Ethernet resources.



Wireless Ad-Hoc Application Diagram

The wireless Ad-hoc mode is established by several wireless clients, which have the same SSID and radio channel. The wireless USB/PCI/PC Card adapters can be used for such peer-to-peer communication mode.

Features

- Provides two methods of operation: Infrastructure and Ad-Hoc
- Adopts MIMO technology for wireless rates of up to 300Mbps
- Adopts CCA technology which automatically avoids channel conflicts using its channel selection feature
- Quick Secure Setup, complies with WPS for worry free wireless security
- Supports 64/128/152-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.

- Supports Windows 2000/XP/Vista, Linux and MAC OS X

Specifications

Wireless Standards	IEEE802.11n (draft) IEEE 802.11g IEEE 802.11b
Host Interface	32-bit PCI-E Rev.2.3 interface
Data Rate	802.11n: up to 300Mbps (downlink) and 150Mbps (uplink) 802.11g: 54 / 48 / 36 / 24 / 18/ 12 / 9 / 6 Mbps auto fallback 802.11b: 11 / 5.5 / 2 / 1 Mbps auto fallback
Frequency Band	2.4GHz ISM (Industrial Scientific Medical) Band
RF Frequency	2412 ~ 2462 MHz (North America) 2412 ~ 2472 MHz (Europe) 2412 ~ 2484 MHz (Japan)
Radio Channel	1 ~ 14 channels (Universal Domain Selection)
Range Coverage	Up to 3 times farther range than 802.11g
Antenna type	Two Detachable Antennas
Roaming	Full mobility and seamless roaming from cell to cell
RF Output Power	14 ~17 dBm (Typical)
Modulation	11n: BPSK, QPSK, 16QAM, 64QAM with OFDM 11g: BPSK, QPSK, 16QAM, 64QAM, OFDM 11b: DQPSK, DBPSK, DSSS, CCK
Data Security	64/128-bit WEP Encryption WPA, WPA-PSK, WPA2, WPA2-PSK. TKIP/AES
Network	Auto-switch to use 802.11n or 802.11g or 802.11b mode Supports Ad-Hoc, Infrastructure WLAN network Wireless roaming Data rate auto fall-back under noisy environment or longer range distance Site Survey with Profile function

Configuration & Management	Plug-and-Play setup and installation Management Utility supports 2000 / XP/ Vista
Media Access Control	CSMA/CA with ACK
LED Indicator	Link/Act
Operating System	Windows 2000, XP, Vista , Linux and MAC OS X
Weight	50g
Dimension	120 (L) x 65 (W) x 15 (H) mm (PCBA)
Environment	Operating Temperature: 0oC to 55oC Storage Temperature: -20oC to 75oC Operating Humidity: 10% ~ 90% (Non Condensing) Storage Humidity: 5% ~ 95% (Non Condensing)
Compliant	FCC (USA) CE Mark (Europe) RoHS Compliant Wi-Fi Compliant