



802.11n Wireless PC Card Adapter

Product Description:

The ENCORE ENPWI-N 802.11n Wireless PC Card adapter is compliant with IEEE 802.11n Draft 2.0, which provides users to launch IEEE 802.11n wireless network at 300 Mbps in the 2.4GHz band. It is also backward compatible with IEEE 802.11b/g wireless devices at 11/54 Mbps. You can configure this adapter with ad-hoc mode to connect to other 2.4GHz wireless computers, or with Infrastructure mode to connect to a wireless AP or router for accessing to Internet. This adapter includes a convenient Utility for scanning available wireless networks and saving profiles of preferred networks that users are usually connecting with. Security and encryption can also be configured by this utility.

Key Features:

- Compatible with IEEE 802.11n Draft 2.0 Specifications provides wireless speed up to 300Mbps data rate
- Compatible with IEEE 802.11g high rate standard to provide wireless Ethernet speeds of 54Mbps data rate
- Supports Multiple Input Multiple Output (MIMO) technology with 2TX/3RX
- Maximum reliability, throughput and connectivity with automatic data rate switching
- Supports wireless data encryption with 64/128-bit WEP standard for security
- Supports WPA-PSK, WPA2-PSK, WPA, WPA2 Securities
- Internal three smart antennas
- Drivers support Windows® 2000, XP and Vista™
- Simple user setup & diagnostics utilities

Product Specification

Standards	IEEE 802.11b IEEE 802.11g IEEE 802.11n Draft 2.0
Radio Technology	IEEE 802.11g / IEEE 802.11n Orthogonal Frequency Division Multiplexing (OFDM) IEEE 802.11b: Direct Sequence Spread Spectrum (DSSS)
Interface	32-bit CardBus Type II specification
Transmission Rate	1, 2, 5.5, 6, 11, 12, 18, 22, 24, 30, 36, 48, 54, 60, 90, 120, 180, 240, 270, 300Mbps (auto sense)
Receiver Sensitivity	300Mbps: Typical - 62dBm @ 10% PER 54Mbps: Typical - 68dBm @ 10% PER 11Mbps: Typical - 85dBm @ 8% PER
Modulation Schemes	DBPSK/DQPSK/CCK/OFDM (BPSK/QPSK/16-QAM/64-QAM)
Media Access Protocol	CSMA/CA with ACK
Transmit Power	17dBm typically @ 802.11b 13dBm typically @ 802.11g 13dBm typically @ 802.11n
Channel	USA: 11 Europe: 13 Japan: 14
Driver Support	Windows® 2000/XP, Vista™
Security	64/128-bits WEP Encryption WPA-PSK, WPA2-PSK, WPA, WPA2
Wireless LAN Frequency Range	2412 ~ 2484 MHz ISM band (channels 1 ~ 14)
Range Coverage	Indoor: Up to 100 meters (depends on environment) Outdoor: Up to 300 meters (depends on environment)
Antenna Type	Internal two PIFA antennas and one printed antenna
Continuous Current Consumption	350mA/480mA typ. for receive/transmit mode @ 802.11b 390mA/480mA typ. for receive/transmit mode @ 802.11g 500mA/630mA typ. for receive/transmit mode @ 802.11n
Dimensions (W x H x D)	115 x 54x 8.7mm
Diagnostics LEDs	Power & Link status
Operation Temperature	0 ~ 40°C