



ENUWI-NX2

802.11n Wireless USB Adapter

The ENCORE ENUWI-NX2, 802.11n Wireless USB adapter is fully compliant with IEEE 802.11n Draft 2.0, which provides users in launching IEEE 802.11n wireless networks at up to 300 Mbps speed in the 2.4GHz band. It is also backward-compatible with IEEE 802.11b/g wireless devices at 11/54 Mbps speed. It can be configured to connect to an ad-hoc network mode, connecting to other 2.4GHz wireless devices and computers, or to the Infrastructure network mode to connect to a wireless AP or wireless router for internet access. This USB adapter includes a convenient Utility Software for scanning available wireless networks and an option in saving profiles of the preferred networks of the user's usual wireless connection. It is also equipped with a configurable wireless security and encryption software.

Features:

- Compatible with IEEE 802.11n Draft 2.0 Specifications, provides wireless speed up to 300Mbps data rate for downstream and up to 150Mbps data rate for upstream
- Compatible with IEEE 802.11g high rate standard to provide wireless Ethernet speeds of up to 54Mbps data rate
- Supports Multiple-Input-Multiple-Output (MIMO) technology with 1TX/2RX
- 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 wireless securities
- Two internal high performance antennas
- Drivers support Windows® XP and Windows Vista™
- Simple user setup & diagnostics utilities
- Compliant with FCC Part 15.247 for US, ETS 300 328 for Europe

Specifications:

Standard

- 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

- USB 2.0

Transmission Rate

- 1, 2, 5.5, 6, 6.5, 9, 11, 12, 13, 13.5, 18, 19.5, 24, 26, 27, 36, 39, 40.5, 48, 52, 54, 58.5, 65, 81, 108, 121.5, 135Mbps (auto sense)

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

- Two internal, One printed and one PIFA high performance antennas

Receiver Sensitivity

- 135Mbps: Typical - 65dBm @ 10% PER
- 54Mbps: Typical - 68dBm @ 10% PER
- 11Mbps: Typical - 84dBm @ 8% PER

Modulation Schemes

- DBPSK/DQPSK/CCK/OFDM (BPSK/QPSK/16-QAM/64-QAM)

Media Access Protocol

- CSMA/CA with ACK

Transmit Power

- 15dBm typically @ 802.11b
- 14dBm typically @ 802.11g
- 14dBm typically @ 802.11n

Dimensions (L x W x H)

- 86 x 30 x 13 mm

Diagnostic LED's

- Activity

Operating Temperature

- 0 ~ 40 °C

Storage Temperature

- -10 ~ 70 °C

Humidity

- 10% ~ 95% RH, no condensation

Certifications

- FCC Part 15.247 for US
- ETS 300 328 for Europe

Channel

- USA: 11
- Europe: 13
- Japan: 14

Support Operating Systems

- Windows® XP
- Windows Vista™