



802.11n Wireless Router

Model Number:

- ENHWI-N2

Product Description:

The ENCORE ENHWI-N2 802.11n Wireless Router is compliant with IEEE 802.11n Draft 2.0, which supports data rate up to 300 Mbps in 2.4 GHz band, which is also backward compatible with IEEE 802.11b/g wireless devices. The router allows multiple users to share one broadband connection, as well as secures your private network. With its built-in 4-port switch and wireless AP, LAN users can share files, printers, or playing network games all at a blazing speed.

To provide a secure wireless network, this router supports wireless data encryption with 64/128-bit WEP, WPA and WPA2. The Network Address Translation (NAT) Firewall is also supported to shield your communications and network from hackers and wireless eavesdroppers.

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
- 4 x 10/100Mbps Fast Ethernet port for LAN with Auto MDI-X function

- 1 x 10/100Mbps WAN port for ADSL / Cable Modem with Auto MDI-X function
- Supports Multiple Input Multiple Output (MIMO) technology with 2TX/2RX
- IEEE 802.11b/g/n Infrastructure operating modes
- Allow auto fallback data rate for optimized reliability, throughput and transmission range
- Supports wireless data encryption with 64/128-bit WEP standard for security
- Supports enhance security for WPA-PSK, WPA2-PSK, WPA and WPA2
- Web-based configuration tools and management via WEB Browser
- Supports WPS (Wi-Fi Protected Setup Specification Windows)
- Supports PPPoE/PPTP/L2TP protocol for ADSL
- Supports NAT for share 1 IP address to all LAN user
- Supports DHCP Server / Client
- Supports Firewall protection, Virtual server mapping, Special application setting
- Supports UPnP
- Supports statistics information

Product Specification

Standards	IEEE 802.11b Wireless LAN IEEE 802.11g Wireless LAN IEEE 802.11n Draft 2.0 Wireless LAN IEEE 802.3/IEEE 802.3u Fast Ethernet ANSI/IEEE 802.3 Auto negotiation
Radio Technology	IEEE 802.11g / IEEE 802.11n Orthogonal Frequency Division Multiplexing (OFDM) IEEE 802.11b: Direct Sequence Spread Spectrum (DSSS)
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
Wireless LAN Frequency Range	2412 ~ 2484 MHz ISM band (channels 1 ~ 14)
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
Antenna Type	Two 2dBi dipole antennas with SMA connector
Protocol	TCP/IP
Interface	LAN: 4 x 10/100Mbps Auto-MDIX Ethernet ports WAN: 1 x 10/100Mbps Auto-MDIX Ethernet port

Supported Network Protocols	TCP/IP NAT PPPoE/PPTP/L2TP HTTP DHCP Server/Client
Network Management	Web base configuration utility via Ethernet
Channel	USA: Channel 1 ~ 11 Europe: Channel 1 ~ 13 Japan: Channel 1 ~ 14
Security	64/128-bits WEP Encryption WPA, WPA2 WPA-PSK, WPA2-PSK MAC address filtering Protocol filtering Domain filtering
Range Coverage	Indoor: Up to 100 meters (depends on environment) Outdoor: Up to 300 meters (depends on environment)
Diagnostic LEDs	Power, System WAN: Link/ACT LAN: Link/ACT WLAN: ACT
Power Adapter	5V / 2.5A
Operation 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
Dimensions (W x H x D)	150 x 109 x 32 mm