

The wireless market continues to find new direction, gaining momentum from the advent of technological advancement, providing ever greater flexibility and performance. Some of the latest advancement for home and small office applications comes in the form of 802.11n communications. Zcomax is proud to present their latest offering in the 802.11n sector, the XN-2050-PCBA.



The XN-2050-PCBA offers the technology you need with the convenience and price to keep it within reach. Featuring 802.11n wireless technology, the XN-2050-PCBA offers the fastest connections for all your multimedia and information needs. The Wireless router offers the convenience of wireless for your mobile-ready devices coupled with the convenience of DHCP addressing and other advanced routing functions, the latest security features and encryption. The 4-port Ethernet router allows easy, hardwired connectivity as well.

For more details such as availability, samples and pricing in regards to the XN-2050-PCBA or any other of our wireless products, please contact a sales professional today.

XN-2050 at a Glance

Chipset	Realtek RTL8196B+RTL8192SE
Transmit Power*	16 dBm @ 11 Mbps data rate
Receive Sensitivity*	-84 dBm @ 11 Mbps data rate
Antenna/Connector	2 Fixed 2dBi Dipole Antennas

IEEE	Radio	RoHS	Interface

XN-2050-PCBA Router

Key Features

- **802.11n Draft 2.0 compliant**
- **2 x 2 MIMO configuration**
- **One-touch WPS security**
- **4-Port router**
- **Reliable Realtek chipset**
- **Multiple SSID support**
- **Integrated firewall**
- **Log and statistic functions**
- **Full routing and internet protocol support**
- **Remote upgrade and software management**

Radio Specification				
Standard	802.11n Draft 2.0			
Modulation	OFDM (BPSK, QPSK, 16-QAM, 64-QAM); DSSS (DBPSK, DQPSK, CCK)			
RF Frequency	2.412GHz ~ 2.484GHz (Check you local regulations for approved channels)			
Antenna	2:2 Configuration			
WAN Port	1 Port			
LAN Port	4 Ports			
Ethernet PHY	10/100			
Hardware Buttons	WPS security configuration			
System Update Capability	Support for web upgrade via Ethernet port or wireless network; TFTP support			
Output Power (+/-2dB)	802.11n HT 20	802.11n HT 40	802.11g	802.11b
	15dBm	15dBm	14dBm @ 54Mbps	16dBm @ 11Mbps
Receiver Sensitivity	802.11n HT 20	802.11n HT 40	802.11g	802.11b
	≤ -67dBm	≤ -64dBm	≤ -71dBm @ 54Mbps	≤ -84dBm @ 11Mbps

Firmware Specification	
Internet Access	<ul style="list-style-type: none"> - PPPoE - PPTP - L2TP - DHCP Client/Server - MAC address - TCP/UDP/TCMP/ICMP/ARP - IEEE 802.1d compliant bridging with spanning tree
Operating Mode Alternatives	<ul style="list-style-type: none"> - WISP - Router with Access Point - WDS - AP+WDS - Client - Universal Repeater
Management	<ul style="list-style-type: none"> - Web-based configuration and management interface - DHCP Server - NTP Client
Wireless LAN Features	<ul style="list-style-type: none"> - Limitation of client connections - Intra BSS blocking - Auto channel celection - QoS
Wireless LAN Security	<ul style="list-style-type: none"> - 64/128-bit WEP - IEEE 802.11x Security (EAP-TLS, EAP-TTLS, LEAP, EAP-PEAP, Win XP PEAP) - WPA/WPA2 - Multiple SSID support - MAC cloning - MAC Address filtering
Router Features	<ul style="list-style-type: none"> - NAT/NAPT ALG for: FTP, NetMeeting, SIP, VPN pass-through with multiple sessions (IPSEC, L2TP, PPTP) - ALG Support - Virtual DMZ - Port Forwarding - NTP

Router Features	<ul style="list-style-type: none"> - DDNS - Firewall with packet filtering and network access rules - IGMP Proxy - VPN IPSec Pass-through - uPnP IGD
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Standardization	
RF	IEEE 802.11n D.2.0
	IEEE 802.11g
	IEEE 802.11b
Ethernet	802.3u MDI / MDIX 10/100 Fast Ethernet

Physical Specification	
Dimensions	135mm(L) x 100mm(W) x 18mm(H) (PCB) 135mm(L) x 115mm(W) x 18mm(H) (Antennas Connectors Included)
Operating Temperature	-0°C to 55°C, 95% relative humidity (non-condensing)
Power Requirement	12V DC @ 1A (switching)
Power Consumption	TX: ≤ 450mA / RX: ≤ 300mA

Warranty	
Warranty Period	1 Year limited warranty from the date of purchase
Warranty Plan	Zcomax Repair / Replacement Program