Wireless 150N 4-Port Router

150 Mbps, 4-Port 10/100 Mbps LAN Switch

Wireless networking with three times the speed.

The INTELLINET NETWORK SOLUTIONS™ Wireless 150N Broadband Router is the latest in wireless networking. Taking advantage of new technology, a wireless network can now see greatly enhanced network speeds.

Multiple Solutions in One Device
The INTELLINET NETWORK SOLUTIONS Wireless 150N Broadband Router serves multiple purposes — an access point for your wireless network, a four-port router for hard-wiring Ethernet devices — and brings it all together so that the devices can access a high-speed Internet connection.

Lifetime Warranty
Strict manufacturing standards ensure the highest quality in all INTELLINET NETWORK SOLUTIONS products. All items carry a full Lifetime Warranty — the strongest quality commitment anyone can make.

LIFETIME
WARRANTY

Features

- Up to 150 Mbps network link speed
- Complies with IEEE 802.11g/b standards and is upward compatible with 802.11n
- Supports WMM function to meet the multimedia data bandwidth requirement
- Supports WEP and WPA/WPA2 (TKIP and AES) data encryption
- Integrated 10/100 Mbps LAN switch with Auto MDI/MDI-X support
- Easy Internet setup through WAN connection wizard
- DHCP server assigns IP addresses for all LAN users
- DHCP server supports static lease management
- Supports virtual server, port forwarding and DMZ (demilitarized zone)
- Supports DDNS (dynamic DNS)
- Supports UPNP (Universal Plug and Play)
- Integrated anti-DOS firewall
- QoS bandwidth management
- VPN Pass Through (PPTP)
- Supports Wi-Fi Protected Setup (WPS)
- Use INTELLINET NETWORK SOLUTIONS Wireless 150N adapters for the best compatibility and performance
- Easy installation through Web-based user interface
- System status
- Security log
- Firmware upgradeable
- Lifetime Warranty

Specifications

STANDARDS
- IEEE 802.1d (Spanning Tree Protocol)
- IEEE 802.11b (11 Mbps Wireless LAN)
- IEEE 802.11g (54 Mbps Wireless LAN)
- IEEE 802.3 (10Base-T Ethernet)
- IEEE 802.3u (100Base-TX Fast Ethernet)
- Upward compatible to IEEE 802.11n draft 2.0 (150 Mbps Wireless LAN)

GENERAL
- LAN ports: 4 RJ45 10/100 Mbps data ports
- LAN ports with Auto MDI/MDI-X
- WAN port: 10/100 Mbps RJ45 connector
- LAN to WAN throughput: 93 Mbps
- Flash: 4 MB
- Memory: 16 MB SDRAM
- Certifications: FCC Class B, CE Mark, RoHS

ROUTER
- Supported WAN connection types:
  - Dynamic IP (DHCP for cable service)
  - Static IP
  - PPPoE (for DSL)
  - PPTP
- Protocols:
  - CSMA/CA
  - CSMA/CD
  - TCP/IP
  - UDP
  - ICMP
  - PPPoE

- NTP
- NAT (network address translation)
- DHCP
- DNS
- NAT:
  - Virtual server
  - Port forwarding
  - Special applications (port trigger)
- Firewall:
  - Access control-based on MAC address
  - URL filter
  - DMZ (demilitarized zone)
- Supports UPNP (Universal Plug and Play)
- Supports DHCP (client/server)
- Supports PPPoE (DSL), DHCP (cable) and static IP
- VPN pass-through: PPTP protocol
- Certifications: FCC Class B, CE Mark, RoHS

WIRELESS
- Chipset: Ralink RT3050
- Wireless frequency range: 2.400 – 2.483 GHz
- Modulation technologies:
  - 802.11b: Direct Sequence Spread Spectrum (DSSS): DBPSK, DQPSK, CCK
  - 802.11g: Orthogonal Frequency Division Multiplexing (OFDM): BPSK, QPSK, 16QAM, 64QAM
  - 802.11n: Orthogonal Frequency Division Multiplexing (OFDM):

BPSK, QPSK, 16QAM, 64QAM
- Channels:
  - USA & Canada: 11
  - Europe: 13
  - Japan: 14
- Data rates:
  - IEEE 802.11b (11 Mbps, 5.5 Mbps, 2 Mbps, 1 Mbps)
  - IEEE 802.11g (54 Mbps, 48 Mbps, 36 Mbps, 24 Mbps, 18 Mbps, 12 Mbps, 9 Mbps, 6 Mbps)
  - IEEE 802.11n (MCS0-7: up to 150Mbps)
- Output power:
  - OFDM: 15 dBm +/- 1 dBm (150 Mbps, 32 mW max.)
  - OFDM: 15 dBm +/- 1 dBm (54 Mbps, 32 mW max.)
  - CCK: 18 dBm +/- 1 dBm (11 Mbps, 80 mW max.)
- Receiver sensitivity:
  - 11n (150 Mbps) MCS7: 20 MHz: -72 dBm; 40 MHz: -70 dBm
  - 11g (54 Mbps) OFDM: -76 dBm
  - 11b (11 Mbps) CCK: -91 dBm
- Max. coverage distance: 100 m / 328 ft. (indoors), 300 m / 980 ft. (outdoors)
- Wireless security:
  - WEP encryption (64/128 bit)
  - WPA TKIP
  - WPA2 AES
  - WPA2 mixed

- WPA RADIUS
- Client access control through media access control (MAC) filter
- Fixed dipole antenna with 3 dBi gain

LEDs
- Power
- WLAN Link/Act
- WAN Link/Act
- WAN 10/100 Mbps
- LAN 1-4 Link/Act
- LAN 1-4 10/100 Mbps

ENVIRONMENTAL
- Dimensions: 157 (W) x 127 (L) x 30 (H) mm (6.2 x 5.0 x 1.2 in.)
- Weight: 0.8 kg (1.7 lbs.)
- Operating temperature: 0 – 40°C (32 – 104°F)
- Operating humidity: 10 – 90% RH, non-condensing
- Storage temperature: -20 – 60°C (4 – 149°F)

POWER
- External power adapter: 12 V DC, 1.0 A
- Power consumption:
  - 11b: 3.25 Watts max.
  - 11g: 3.05 Watts max.
  - 11n: 3.08 Watts max.

PACKAGE CONTENTS
- Wireless 150N 4-Port Router
- User manual
- Power adapter
- Ethernet Cat5 RJ45 cable: 1.0 m (3 ft.)

For more information on INTELLINET NETWORK SOLUTIONS products, consult your local dealer or visit **www.intellinet-network.com**.

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