Wireless 300N 4-Port Router

300 Mbps, MIMO, QoS, 4-Port 10/100 Mbps LAN Switch

Part No.: 524490

EAN-13: 0766623524490 | UPC: 766623524490

Wireless networking with five times the speed.

The INTELLINET NETWORK SOLUTIONS Wireless 300N 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 300N Broadband Router serves multiple purposes — an access point for your wireless network, a 4-port router for hard-wiring Ethernet devices — and brings it all together so that the devices can access a high-speed Internet connection.

Features:

- Up to 300 Mbps network link speed
- Complies with 2.4 GHz IEEE 802.11n standard and is backward compatible with IEEE 802.11g/b standards
- 2T2R MIMO technology for enhanced throughput and coverage
- Supports WMM function to meet the multimedia data bandwidth requirement
- Supports Wi-Fi Protected Setup (WPS)
- Supports WEP and WPA/WPA2 (TKIP and AES) data encryption
- Integrated 10/100 Mbps LAN switch with Auto MDI/MDI-X support
- 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 (Quality of Service) bandwidth management
- VPN Pass Through (PPTP, IPSec, L2TP)

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- Use INTELLINET NETWORK SOLUTIONS Wireless N adapters for the best compatibility and performance
- Easy installation through Web-based user interface
- System status
- Security log
- Firmware upgradeable
- Three-Year Warranty

Specifications:

Standards
• IEEE 802.1d (Spanning Tree Protocol)
• IEEE 802.11b (11 Mbps Wireless LAN)
• IEEE 802.11g (54 Mbps Wireless LAN)
• IEEE 802.11n (300 Mbps Wireless LAN)
• IEEE 802.3 (10Base-T Ethernet)
• IEEE 802.3u (100Base-TX Fast Ethernet)

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: 2 MB
• Memory: 16 MB SDRAM
• Certifications: FCC Class B, CE, 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

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- 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
• Supports VPN PPTP, L2TP and IPsec passthrough

Wireless
• 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 channels
- Europe: 13 channels
- Japan: 14 channels
• 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 (MCS0-07: up to 150 Mbps)
- IEEE 802.11n (MCS0-15: up to 300 Mbps)
• Output power:
- OFDM: 12 dBm +/- 1.5 dBm (300 Mbps)
- OFDM: 12 dBm +/- 1.5 dBm (54 Mbps)
- CCK: 16 dBm +/- 1.5 dBm (11 Mbps)
• Receiver sensitivity:
- 11n (300 Mbps) MCS0-15: 20 MHz: -64 dBm; 40MHz: -61 dBm
- 11g (54 Mbps) OFDM: -65 dBm
- 11b (11 Mbps) CCK: -76 dBm
• Maximum 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
• Antennas:
- 2 fixed-dipole antennas with 2 dBi gain each

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- 2T2R MIMO mode (2 transmitters, 2 receivers)

LEDs
• Power
• WLAN Link/Act
• LAN 1-4 Link/Act

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: 5 V DC, 1.0 A
• Power consumption: 2.7 Watts max.

Package Contents
• Wireless 300N 4-Port Router
• User manual
• Power adapter
• Ethernet Cat5 RJ45 cable: 1.0 m (3 ft.)

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