



Wireless 300N Dual-Band Router

300 Mbps Wireless 802.11a/b/g/n, 2.4 + 5 GHz, 2T2R MIMO, QoS, 4-Port LAN Switch

Part No.: **525268**

Wireless 300N Dual-Band Router - The Ultimate in Wireless Performance

The Intellinet Wireless 300N Dual-Band Router, model 525268, is the latest in wireless networking technology. Wireless bandwidth never peaked higher and wireless signals never traveled farther thanks to cutting-edge Wireless N dual-band technology.

Unsurpassed Wi-Fi Performance

Intellinet's advanced 2T2R architecture implements true three-stream 802.11n technology, enabling transmission rates of up to 300 Mbps, the highest performance on the market. This solution addresses concurrent delivery of data, voice and HD video throughout the home or office.

Congestion? Not Here.

Move your mission-critical wireless applications from the congested 2.4 GHz band into the 5 GHz space and provide the fastest wireless connection available today. You can use the 2.4 GHz band for your everyday tasks, such as surfing the Internet, social media or e-mail, while the 5 GHz band is reserved for your high-end applications; e.g., HD video streaming and specialized applications. Since the Intellinet Wireless 300N Dual-Band Router is equipped with two high-performance wireless sender/receiver units, you can run both the 2.4 and 5 GHz networks simultaneously.

Multiple Solutions in One Device

The Wireless 300N Dual-Band Router serves multiple purposes — an access point for your wireless network providing both 2.4 GHz and 5 GHz wireless simultaneously, wireless bridge, wireless repeater, WDS repeater, a four-port router for your hard-wired Ethernet devices, a firewall, access and content control — and it brings it all together to maximize your high-speed Internet access.

* Actual data throughput will vary. Network conditions and environmental factors — including volume of network traffic, building materials and construction, and network overhead — lower the actual data throughput rate.

** Environmental factors may adversely affect wireless signal range.

Features:

- Supports simultaneous dual-band 2.4 GHz and 5 GHz operation
- Dual-band operation provides twice the bandwidth and less interference
- Ideal for streaming HD-quality video, playing online games, downloading large files and making VoIP calls
- Up to 300 Mbps network link speed
- Supports advanced 2T2R MIMO technology, enhancing the throughput and coverage range significantly
- Supports WMM function to meet the multi-media data bandwidth requirement
- Supports Wi-Fi Protected Setup (WPS)
- Supports WEP and WPA/WPA2 (TKIP and AES) data encryption
- Supported modes: Access Point, Station Infrastructure, Bridge Point-to-Point, Bridge Point-to-Multi-Point, WDS and Universal Repeater
- DHCP server assigns IP addresses for all LAN users
- DHCP Server supports static lease management

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

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- 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)
- Complies with 5 GHz IEEE 802.11a/n standards and 2.4 GHz IEEE 802.11b/g/n standards
- Use INTELLINET NETWORK SOLUTIONS Wireless N WLAN adapters and cards for best compatibility and performance
- Easy Internet setup through WAN connection wizard
- 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 802.11a (54 Mbps Wireless LAN)
- › 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
- › Chipset: Ralink RT3352 + RT3572
- › Flash: 4 MB
- › Memory: 32 MB DDR2 RAM
- › Certifications: FCC Class B, CE, RoHS

Router

- › Supported WAN connection types:
 - Dynamic IP (DHCP for cable service)
 - Static IP
 - PPPoE (for DSL)
 - PPTP
 - BigPond (Australia)
- › Protocols:
 - CSMA/CA
 - CSMA/CD
 - TCP/IP
 - UDP
 - ICMP
 - PPPoE
 - 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 passthrough: PPTP, IPSec, L2TP

Wireless 5.0 GHz

- › Link Speed: up to 300 Mbps
- › Modulation technologies:
 - 802.11a/n: Orthogonal Frequency Division Multiplexing (OFDM): BPSK, QPSK, 16QAM, 64QAM
- › Channels:
 - USA & Canada: 36, 40, 44, 48, 149, 153, 157, 161, 165
 - Europe: 36, 40, 44, 48, 52, 56, 60, 64, 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140
- › Output power:
 - 11n (300 Mbps): 11 dBm (± 1.5 dBm)
 - 11a (54 Mbps): 11 dBm (± 1.5 dBm)

Wireless 2.4 GHz

- › Link Speed: up to 300 Mbps
- › 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
- › Output power:
 - 11n (300 Mbps): 13 dBm (± 1.5 dBm)
 - 11g (54 Mbps): 14 dBm (± 1.5 dBm)
 - 11b (11 Mbps): 16 dBm (± 1.5 dBm)

Wireless 2.4 + 5 GHz

- › Wireless security:
 - WEP encryption (64/128 bit)
 - WPA TKIP
 - WPA2 AES

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- WPA2 mixed
- WPA RADIUS
- Client access control through media access control (MAC) filter
- > Antennas:
 - 2 fixed-dipole antennas with 3 dBi gain each
 - 2.4 GHz/300 Mbps: 2T2R MIMO mode (2 transmitter, 2 receiver)
 - 5 GHz/300 Mbps: 2T2R MIMO mode (2 transmitter, 2 receiver)

LEDs

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

Power

- > External power adapter: 5 V DC, 2 A

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 - 50°C (32 - 122°F)
- > Operating humidity: 10 - 90% RH, non-condensing
- > Storage temperature: -20 - 60°C (4 - 149°F)

Package Contents

- > Wireless 300N Dual-Band Router
- > Quick installation guide
- > User manual on installation CD
- > Power adapter
- > Ethernet Cat5 RJ45 cable: 1.0 m (3 ft.)

