



## Wireless 300N 3G Router

300 Mbps, 2T2R MIMO, 3G, 4-Port 10/100 Mbps LAN Switch

Part No.: **524681**

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The INTELLINET NETWORK SOLUTIONS Wireless 300N 3G Router is the latest in wireless networking. Taking advantage of new technology, a wireless network can now see greatly enhanced network speeds and the convenience of 3G mobile technology.

### Shares 3G / 3.5G Internet Connection

The INTELLINET NETWORK SOLUTIONS Wireless 300N 3G Router is a high-speed wireless 3G broadband router that supports both UMTS/HSDPA and EVDO networks. When connecting a 3G / 3.5G USB modem\* to the router, all network (wired/wireless) users can share the 3G / 3.5G Internet connection. The Wireless 300N 3G Router can support 3G / 3.5G speed up to 7.2 Mbps.

### Multiple Solutions in One Device

The INTELLINET NETWORK SOLUTIONS Wireless 300N 3G 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.

### Automatic WAN Fail-Over

The INTELLINET NETWORK SOLUTIONS Wireless 300N 3G Router supports automatic WAN fail-over function. When connecting with DSL/Cable broadband, the Wireless 300N 3G Router will enable the DSL/Cable broadband connection automatically when a 3G / 3.5G Internet connection is not available. You can surf the Internet anywhere and anytime.

\* For a complete list of compatible 3G USB modems, visit [www.intellinet-network.com](http://www.intellinet-network.com).

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## Features:

- Supports UMTS/HSDPA and EVDO 3G networks
- 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 WAN connection auto fail-over
- Supports WEP and WPA/WPA2 (TKIP and AES) data encryption
- 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 Passthrough (PPTP/IPSec)
- Integrated USB 2.0 port for UMTS/HSDPA and EVDO 3G modems
- Use INTELLINET NETWORK SOLUTIONS Wireless N adapters for the best compatibility and performance
- Easy installation through Web-based user interface
- 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
- » USB 2.0 port: 3G/3.5G USB modem
- » Flash: 4 MB
- » Memory: 16 MB SDRAM
- » Certifications: FCC Class B, CE Mark
- » For a complete list of compatible 3G USB modems, visit [www.intellinet-network.com](http://www.intellinet-network.com)

### Router

- » Supported WAN connection types:
  - 3G / 3.5G
  - Dynamic IP
  - Static IP
  - PPPoE
  - PPTP
  - L2TP
  - Telstra BigPond
- » Protocols:
  - CSMA/CA
  - CSMA/CD
  - TCP/IP
  - UDP
  - ICMP
  - PPPoE
  - NTP
  - NAT

- 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 WPS (WiFi Protected Setup)
- » VPN passthrough: PPTP, IPSec protocol

#### Wireless

- » Chipset: Ralink RT3052
- » 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: 15 dBm +/- 1 dBm (300 Mbps, 40 mW max.)
  - OFDM: 15 dBm +/- 1 dBm (54 Mbps, 40 mW max.)
  - CCK: 17 dBm +/- 1 dBm (11 Mbps, 63 mW max.)
- » Receiver sensitivity:
  - 11n (300 Mbps) MCS0-15: 20 MHz: -73 dBm; 40 MHz: -68 dBm
  - 11g (54 Mbps) OFDM: -78 dBm
  - 11b (11 Mbps) CCK: -91 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 3 dBi gain each
  - 2T2R MIMO mode (2 transmitters, 2 receivers)

#### LEDs

- » Power
- » WLAN Link/Act
- » LAN 1-4 Link/Act
- » USB

#### Environmental

- » Dimensions: 157 (W) x 127 (L) x 30 (H) mm (6.2 x 5.0 x 1.2 in.)
- » Weight: 0.215 kg (7.58 oz.)
- » Operating temperature: 10 – 40°C (50 – 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: 5 Watts max.

#### Package Contents

- » Wireless 300N 3G Router
- » User manual
- » Power adapter
- » Ethernet Cat5 RJ45 cable: 1.0 m (3 ft.)
- » USB extension cable: 1.0 m (3 ft.)



For more information on INTELLINET NETWORK SOLUTIONS products, consult your local dealer or visit [www.intellinet-network.com](http://www.intellinet-network.com).

