



300N Wireless Router

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

Part No.: [525466](#)

EAN-13: 0766623525466 | UPC: 766623525466

Wireless networking for your home — easy and secure!

The Manhattan 300N Wireless Router is the ideal solution for connecting to the Internet so you can surf the Web, watch videos online, download music and files, play games and almost anything else you can imagine. Advanced Wireless N technology delivers data speeds of up to 300 Mbps* and signal strength that can cover your whole home or office.

Manhattan ExpressWay™ for easy installation

The Manhattan ExpressWay™ Windows utility guides you through the installation and within minutes you are up and running. The installation does not require any knowledge about networking in general or IP addresses in particular, making the setup procedure a breeze. And if you do not run Windows, you can easily connect to the Manhattan Web Configuration Page and launch the integrated wizard from there.

* Actual data throughput and range may vary based on environmental factors and network traffic

Features:

- Create a wireless network in your home and connect your devices to the Internet in minutes
- Easy setup with the Manhattan ExpressWay™ utility
- Reliable wireless connection for surfing the Web, streaming media, online gaming and more
- Wireless transmission speeds of up to 300 Mbps
- 4-port Fast Ethernet switch expands your network in an instant
- Secure wireless connection with the push of a button thanks to Wi-Fi Protected Setup (WPS)
- Supports WEP and WPA/WPA2 (TKIP and AES) data encryption
- QoS (Quality of Service) bandwidth management
- Use Manhattan Wireless N adapters for the best compatibility and performance
- Complies with 2.4 GHz IEEE 802.11n standard and is backward compatible with IEEE 802.11g/b standards
- 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
 - 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 (MCS0-7: 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) MCS7: 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
- Fixed dipole antenna with 2 dBi gain

LEDs

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

Environmental

- Dimensions: 180 (W) x 129 (L) x 35 (H) mm (7.1 x 4.7 x 1.4 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: 2.3 watts max.

Package Contents

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



