

# Amp300

## Wireless-N high-power router



ARN02304U8



Extended coverage: stellar performance to amplify your wireless network

### Overview

The **Amp300** router delivers superior wireless performance based on 802.11n technology. This router emerges as a true all-in-one solution by bringing together a wireless access point, a four-port switch and firewall. The three antennas provide powerful coverage that penetrates walls and eliminates dead spots, ideal for large homes, open spaces, offices and hard to reach areas. Ultra-fast MIMO technology (*Multiple Input Multiple Output*) allows HD streaming, the transfer of large data files and multiplayer gaming. Easy to set up and operate, this router provides easy access to printers, storage drives, home theater equipment and other ethernet enabled devices from multiple connected computers, all done over a secure and stable network.



### Highlights

- High-power router for increased coverage
- Delivers wireless speeds up to 300Mbps
- Features one (1) WAN and four (4) LAN 10/100Mbps ports
- Wireless router, AP, WISP repeater and repeater
- Green AP - transmission power control
- Multiple SSID simultaneous transmission
- Single and multiple port forwarding
- VPN and FTP pass through
- Extensive filtering options: IP, MAC, URL, Host, QQ
- Bandwidth control prioritizes traffic for bandwidth intense applications
- Advanced wireless encrypted security
- Wake-on-LAN-ready
- WDS wireless bridge to easily connect and expand your network



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[www.nexxtsolutions.com](http://www.nexxtsolutions.com)

### Technical specifications

Amp300	
<b>Hardware features</b>	
Standards	IEEE802.3, IEEE802.3u
Protocols	CSMA/CA, CSMA/CD, TCP/IP, DHCP, ICMP, NAT, PPPoE, SNTP, IPv4
Ports and interface	One 10/100Mbps WAN port Four 10/100Mbps LAN ports
Antennas	Three 5dBi omnidirectional
Buttons	Reset, WPS
LED indicators	System/Power, WPS, 2.4G, 5G, LAN
<b>Wireless features</b>	
Standards	IEEE 802.11 b/g/n 2.4GHz
Frequency band	2.4GHz
Wireless rate	2.4GHz: 300Mbps
Radio data rate	IEEE 802.11n: up to 300Mbps IEEE 802.11g: up to 54Mbps IEEE 802.11b: up to 11Mbps
Channels	2.4G 1-13
Channel width	20MHz / 40MHz
Security	WPA-PSK/WPA2-PSK, WPA-PSK, WPA2-PSK, OPEN WEP
Operation modes	AP, WISP repeater and repeater
Wireless function	Wireless security: enable/disable WPS (WiFi Protected Set-up) fast encryption SSID broadcast: enable/disable Transmission power control Wi-Fi multimedia (WMM): enable/disable AP isolation: Enable/Disable ACL (access control list) Beamforming technology
RF power	2.4GHz: 11g: 18dBm, HT20MCS7: 18dBm, HT40MCS7: 17dBm
<b>Software features</b>	
Internet connection type	Dynamic IP, PPPoE, Static IP
DHCP	DHCP server, DHCP client, DHCP server disabled
Security	IP binding, ACL (black/white list), firewall, remote management IP filtering, MAC filtering, URL filtering, Host filtering
Firewall	IP login settings, block port scanning, block SYN flood, SPI firewall
Bandwidth control	Included
DDNS	3322.org / ods.org / no-ip / dhs.org / easydns / Dyndns.org freedns.afraid.org / zoneedit / tzo / sitelutions / dnsomatic / zerigo
Virtual server	Port forwarding, DMZ host, UPnP
VPN	Passthrough: PPTP, L2TP, IPSec
Other advanced function	Network diagnosis, Bandwidth control, Guest network, Traffic control, NTP settings, MAC clone, Static routing, System tool, System log, Backup and restore, Firmware update, Network statistics
<b>Environment</b>	
Operating temperature	32°F-104°F
Storage temperature	-40°F -158°F
Relative humidity	Operating humidity: 10%-90% non-condensing Storage humidity: 5%-90% non-condensing
<b>Physical appearance</b>	
Housing	ABS plastic
Color	Black
Dimensions	7.3x5.4x1in
Weight	0.5lb
<b>Additional information</b>	
Power	5V/1A
Certificates	FCC
Warranty	Five years

