AF-2209N+

2.4G 300Mbps High Power Metal Casing Wireless Router

Key Feature:

- 2T2R,2.4GHz
- Throughput up to 300Mbps
- Multiple SSID up to 4
- Output power adjustable & ACK timeout
- Support PTP and PTMP(Point to Multi-point)
- Multi-operation mode : AP/Gateway/ WISP(CR) /Client Bridge
- WPA2/WPA/AES/TKIP,SSH and 802.1x Authenticator
- Firewall, IP/Port/MAC and URL filtering
- QoS:Traffic Control & WMM
- Traffic statistics based port
- Supports Ping Watch Dog and Wireless Speed Test
- Built-in NAT and DHCP Server & Client
- Supports Address Reservation
- Virtual DMZ,Port Forwarding

- TCP/UDP/ICMP/ARP protocol stack
- Supports UPnP, Dynamic DNS, Static Routing
- Supports PPPoE, Dynamic IP, Static IP Internet Access
- Wireless user access control(ACL)
- NTP Client
- Support VPN Pass-through(PPTP,L2TP)
- Support L2TP,PPTP,IpSec
- 4 x LAN +1 x WAN(10/100Mbps)FE
- Easy quick setup wizard with web-based utility
- Mental housing
- External 5dBi Omni ANT
- Emergency Recovery Push button Provide a self-aid page for users in case of firmware upgrade failure
- Support openWrt

Description:

The IP2209 high power wireless-N router is dedicated to Small office/long distance wireless network architecture /Large & dimensional room coverage e.g Villa.It integrates wireless AP,Router,WISP,AP Client,VPN access and Firewall.High output TX power and optimized RX sensitivity can significantly extend the transmission range to reduce dead spots and to deliver a more stable wireless connection.

To protect wireless connectivity,IP2209 encrypt wireless tranmissions through 64/128-bit WEP data encryption and also supports WPA/WPA2.The MAC address filter make you select exactly which stations should have access to your network.In addition,the User Isolation function can protect the private network between client and users.

Furthermore IP2209 supports MSSID up to 4 which offers easy wireless network isolation for your data safety,and VPN tunnels provide site-to-site security connection;QoS supports WMM and bandwidth control etc. Mental housing and industrial-level design based which runs well under extreme conditions. It's the most cost-effective solutions for Small office/Industrial segment WLAN coverage/Villa etc Large & Dimensional room WLAN coverage.

Specification

Hardware	
MCU	RT3052
RF	2T2R
Memory	32MB DDR RAM
Flash	4MB(May extend to 8MB)
Interface	4x RJ-45 for 10/100 Mbps LAN ports
	1x RJ-45 for 10/100 Mbps WAN ports
	1 x Reset button(renew system or restore sys to factory defaults)
	1 x Power DC Jack
Power	12V/1A; 110V/220V

RF			
Frequency	802.11b/g/n:		
	2.4~2.4835GHz		
	U.S.,Europe and Japan product covering 2.400 to 2.4835 GHz,programmable for different country regulations		
Modulation	OFDM = BPSK,QPSK, 16-QAM, 64-QAM		
	DSSS = DBPSK, DQPSK, CCK		
Throughput	300 Mbps		
Sensitivity	802.11n(2.4GHz)	802.11g	802.11b
	-86dBm @ MCS0	- 90dBm @ 6Mbps	- 92dBm @ 1Mbps
	-68dBm @ MCS7	- 72dBm @ 54Mbps	- 85dBm @ 11Mbps
	-83dBm @ MCS8		
	-64dBm @ MCS15		
Output Power	Radio1(WLAN1)		
	802.11n(2.4GHz)(± 1.5dBm)	802.11g(± 1.5dBm)	802.11b(± 1.5dBm)
	28dBm @ MCS0~2/MCS8~10	28dBm @ 6~24Mbps	30dBm @ 1~11Mbps
	28dBm @ MCS3/MCS11	28dBm @ 36Mbps	
	27dBm @ MCS4/MCS12	27dBm @ 48Mbps	
	27dBm @ MCS5/MCS13	27dBm @ 54Mbps	
	26dBm @ MCS6/MCS14		
	26dBm @ MCS7/MCS15		
Antenna	2 x 5dBi Omni ANT		

Software	
Operation Mode	Access Point / Client Bridge / Client router / WDS
Protocol/Standard	IEEE 802.3(Ethernet)
	IEEE 802.3u(Fast Ethernet)
	IEEE 802.11b/g/n(2.4G WLAN)
Wireless	Auto-channel selection

	Distance control(802.1x Ack timeout)
	Multiple SSID (8 SSID)
	WDS AP / WDS Bridge
	BSSID
Security	WEP Encryption-64/128/152 bit
	WPA/WPA2 Personal (WPA-PSK using TKIP or AES)
	WPA/WPA2 Enterprise (WPA-EAP using TKIP)
	Hide SSID
	MAC/IP address &URL filtering
	Wireless STA (Client) connected list
Management	
System Settings	Web-based configuration(HTTP/Telnet)
Firmware Upgrade	Upgrade firmware via web browser or TFTP
Administration	Admin Password can be configured
System monitoring	Status in hand , useful statistic and Event log
Logs	Supports local logs、logs host、logs file export
Reset	Renew system or restore to factory defaults
Backup	Restore settings & configuration of the device to local file
Physical Property	
Temperature	Working： -10°C~55°C
	Storage： -20°C to 70°C
Humidity	5%~95%(typical)
Dimension	
Height	
Package	
✧ IP2209 complete set	
✧ 12V/1A DC adapter	
✧ User Manual	
✧ 2 x 5dBi Omni ANT	