



RT-N66U Specification

Project Name: **RT-N66U**

Revision History:

Version	Author	Date	Status
1.00	Linda	2011/07/04	Initial draft

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Hardware	
Host Processor	CPU, BRCM, BCM4706 & BCM4331
	Flash, 256 Mb
	Memory DDR2, 2Gb
Ethernet Port	WAN/LAN, 1+4 RJ45 for 10/100/1000 BaseT
	Support Ethernet and 802.3 with max. bit rate 10/100/1000 Mbps and auto cross-over function(MDI-X)
USB Port	USB 2.0 x 2
Wireless Port	Transmit Power: a/n mode: 14~15dBm @ EVM<-28dB g/n mode: 18~19dBm @ EVM<-28dB b mode: 20~21dBm @ EVM<35% at normal temp. range
	Receiver Sensitivity: -75dbm@54M, -95dbm@1M
	Antenna Gain : 2.4GHz: 2dBi Peak Gain 3 external dipole antenna 5GHz: 2dBi Peak Gain 3 external dipole antenna Frequency range of operation : 2.4GHz:2412~2462MHz 5GHz: 5745~5825MHz Channel number: 2.4GHz:11 5GHz:5 RF output power: 2.4GHz : 18~19dBm (g/n mode), 20~21dBm (b mode) 5GHz : 14~15dBm Type of Modulation: OFDM (BPSK, QPSK, 16QAM, 64QAM)

Data Speed	2.4GHz: 802.11b, 802.11g, 802.11n (3x3, 20M and 40M, data rate up to 450Mbps) 5GHz: 802.11a, 802.11n (3x3, 20M and 40M, data rate up to 450Mbps)
Performance	Wireless: <ul style="list-style-type: none"> - Maximum Data Rate: 450Mbps - 802.11 a/g/b/n WiFi Test plan Compliant
Power Adapter	AC input: 100V~240V (50~60HZ); DC output: 19V with max. 1.58A current
Buttons	Reset Button: Push for 5 seconds to restore factory setting
	WPS Button: Push for 5 seconds to enter WPS mode.
	Radio ON/OFF

Software	
Wireless	802.11a/ 802.11n/802.11g/802.11b Compliant
	Wi-Fi Security <ul style="list-style-type: none"> - supports 64/128-bit WEP, WPA-PSK, WPA2-PSK, WPA-Enterprise, WPA2-Enterprise
	WMM <ul style="list-style-type: none"> - WMM (Wi-Fi Multimedia) support - WMM No-Ack support
	MAC Access Control <ul style="list-style-type: none"> - Control the access by the MAC address.
	SSID Isolation <ul style="list-style-type: none"> - Support SSID hiding.
	Wireless Separation <ul style="list-style-type: none"> - Prevent wireless clients from communicating with each other.
	Three Operation Modes <ul style="list-style-type: none"> - IP Sharing mode - Router mode - AP mode
NAT	Port Trigger <ul style="list-style-type: none"> - Open certain TCP or UDP ports to communicate with the computers connected to this router.
	Virtual Server <ul style="list-style-type: none"> - Provide services, like WWW, FTP by a server in local network accessible for outside users.
	Virtual DMZ <ul style="list-style-type: none"> - Expose one computer to Internet, so that all the inbounds packets will be redirected to the exposed computer.
	ALG:FTP,SIP,VPN Pass-through-IPSec(1), PPTP(1), L2TP(1)
Firewall	NAT and SPI (Stateful Packet Inspection) Firewall <ul style="list-style-type: none"> - enable/disable WAN ping - allow access from WAN - log of accepted and dropped
Firewall	Filtering <ul style="list-style-type: none"> - Single Port and Port Range - URL/Keyword based - MAC Address

Routing	Static Route
Wireless Band	2.4GHz and 5GHz band simultaneous
Bandwidth Management	allow multiple network activities (FTP, Game, P2P...) to work smoothly at the same time
Management	Internet connection type: Automatic IP ,Static IP, PPPoE(MPPE supported), PPTP, Big pond Service
	Support UPnP IGD
	DHCP Server <ul style="list-style-type: none"> - supports up to 253 IP addresses - changeable DHCP lease time, IP pool, domain name - static mapped IP
	DNS Proxy
	NTP Client
	DDNS: ASUS DDNS, DynDNS, ZoneEdit, TZO
	Web-based administration <ul style="list-style-type: none"> - Support IE 5.5 or later, Firefox 2.0.0.1 or later. - Managed from LAN and Internet - Password Setting
	System Event Log
	Firmware Upgrade: Web Interface, Bootloader
	Save/Restore Configuration File
	Wi-Fi WPS supported
USB Application	All-In-One Printer server, SMABA server, DLNA AV server, FTP Server, BT client
	iPad Charger
Utility	WPS(WCN-Net), support XP, 2000, Vista, 7
	Device Discovery, support XP, 2000, Vista, 7
	Firmware Restoration, support XP, 2000, Vista, 7
Standard	IEEE802.11n, IEEE802.11g, IEEE802.11b, IEEE802.11a, IEEE802.11d, IEEE802.3, IEEE802.3u,WPA, WMM, IPv4
Certification Compliant	Wi-Fi, WPA, WMM, UPnP IGD, DLNA