

RT-N10U Specifications

Name : 802.11b/g/n Wireless Router

Mode : RT-N10U

Rev. : V1.0

1. Product Specifications

1.1 Hardware Features

Feature	Additional Information
Primary Processor	● BROADCOM BCM5356U
Wireless	● BROADCOM BCM5356U
DDR	● 32 MB
FLASH	● 8 MB
Operation Requirement	● Operating Temp. 0°C to 40 ° C ● Storage Temp. -30 ° C to 70 ° C ● Operating Humidity 10% to 90% Non-Condensing ● Storage Humidity 10% to 95% Non-Condensing
WAN Interface	● One RJ45 connector ● MDI wiring for connection to WAN ADSL/Cable modem device ● 10/100 Mbps BASE-T
LAN Interface	● Four 10/100 RJ-45 Switched Ports ● N-way, Automatic speed negotiation ● Full duplex RJ-45 connector ● Auto MDI / MDI-X
Restore Factory Defaults/Reboot button	● Reset to restart/reboot the system when holding the reset button longer 1 sec ● Capable of restoring to the factory default settings (holding the reset button after 5 second)
WPS (WiFi Protected Setup)	● Button for WPS setting
Wireless Antenna	● One detachable dipole Diversity Antenna - Gain: 5dBi for 2.4GHz
USB Port	● One USB 2.0 Host controllers and HSIC port
Other Port/Interface	● N/A
Power Switch	● Button for Power ON/OFF setting
Power Supply Requirements	Appropriate wall connector type based on the region ● Input: 100 -- 240VAC, 50/60 Hz ● Output: 5VDC /1.5A
FLASH Download Capability	● Capable of updating the FLASH program memory via Ethernet port.
Dimension	● N/A
Weight	● N/A

1.2. RF Specification

Chipset	BROADCOM BCM5356U
Frequency Band	2.400 2.484 GHz
Wireless LAN Standard	IEEE802.11b/g, 802.11n compliance
Data Rate	802.11b: 1, 2, 5, 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: 6, 6.5, 13, 13.5, 19.5, 26, 27, 39, 40.5, 53, 54, 58.5, 65, 78, 81, 104, 108, 117, 121.5, 130, 135, 150Mbps
Modulation Technique	802.11n: OFDM 802.11g: QBPSK, QDBPS, CCK, OFDM 802.11b: QBPSK, QDBPS, CCK
Operating Frequency	802.11b/g/n ISM band: 2.412~2.462 GHz: (FCC) North America (CH1~CH11) 2.412~2.472 GHz: (ETSI) Europe (CH1~CH13) 2.412~2.472 GHz: (TELEC) Japan (CH1~CH13) 802.11n 40MHz band: 2.422~2.452 GHz: (FCC) North America (CH3~CH9) 2.412~2.462 GHz: (ETSI) Europe (CH3~CH11) 2.412~2.462 GHz: (TELEC) Japan (CH3~CH11)
RF Output Power (Tx)	11b : 18dBm 11g : 15dBm 11n 20MHz : 15dBm Tolerance: +1 / -1 dBm 11n 40MHz : 14dBm
Receiver Sensitivity (Rx)	802.11n: ≤ -66 dBm typical with 20MHz ≤ -63 dBm typical with 40MHz 802.11g: ≤ -68 dBm typical @ 54Mbps 802.11b: ≤ -82 dBm typical @ 11Mbps
Power Consumption	Power Consumption: 6 Watt max.

1.3. Front panel configuration & LED Status

Function	Printing	LED/Button description
Power		Green Light On: Power on Light off: Power off
LAN1, LAN2, LAN3, LAN4	   	Green Light On: Physical Link ok Light off: LAN not ready or failed Light Blinking: Transmitting
WAN		Green Light On: Physical Link ok Light Blinking: Transmitting Light Off: Ethernet not ready or failed

RT-N10U Wireless Router specification

Wireless		Green On: WLAN enabled Light Blinking: Transmitting Light Off: WLAN disabled or failed
WPS		Green On: WPS Status is "Configured" Blinking: WPS is in process. Light Off: WPS Status is "Not Configured" or WPS disabled The push button to setup the wireless configuration and encryption. Note: 1. Use the push button to setup the wireless configuration and encryption. 2. Capable of starting WPS (holding the button just 1 second) (User has to run WPS on the client side within 120 sec to make WPS success.)
USB		Green Light On: Physical Link ok Light Blinking: Transmitting Light off: USB not ready or failed