

## MWA-6212U 802.11n Wireless Router and Access Point (2Tx2R, WPS, USB)



The **MWA-6212U** is compliant with 802.11n specifications, delivers wireless speed up to 300Mbps data rate, provides multi-functional capabilities, particularly the high performance throughput and high-quality security. Incorporating fast Ethernet ports and is compatible to other wireless (802.11b/g/n) networking device; it enables your whole network sharing a high-speed cable or DSL. Its high performance is ideal for media-centric applications like streaming video, gaming and Voice over IP technology.

**Wireless Standards:** IEEE 802.11n upto 300Mbps data rate, IEEE 802.11b/g

**Operation Mode:** Router (Gateway), Bridge (AP), WISP Mode

**Wireless Mode:** AP / AP Client / WDS / AP+WDS and Universal Repeater

**WAN Connection Type:** Static IP / DHCP Client / PPPoE / PPTP / L2TP / GSM 3.5G

**Networking:** DHCP Server / Client, Static DHCP, DynDNS, NTP Client, VPN Passthrough

**USB:** Supports Network File sharing function, FTP server, USB printer server, USB storage format tool, 3G modems for mobile internet (see the modem compatible list)

**Security:** None / WEP64 / WEP128 / WPA / WPA2 / WPA Mixed, Radius, Access Control List: Allow or Deny List

**WPS:** Support WPS (Wi-Fi Protected Setup)

**QoS:** Bandwidth Control by IP or MAC Address

**Multiple AP:** Provides maximum 5 groups of SSID

**Firewall:** NAT, IPSec / PPTP / L2TP Pass Through, IP Filtering, Port Filtering, URL Filtering, MAC Restricting, Port Forwarding, DMZ, Virtual Server

**Management:** System Status, Packet Statistic for Ports (WLAN-LAN-WAN), Syslog (Local and Remote), Dynamic DNS, Denial-of-Service, Time Zone Setting, Firmware Upgrade, Save/Restore Settings, Password Setup, WatchDog, Reboot

**Other features:** Adjustable TX power, Frame Aggregation, MAC Address Clone, Wireless Schedule, Routing Setup, Virtual LAN (VLAN), WLAN partition, STBC (Space-Time Blocking Code)

**Ports:** Fast Ethernet Ports – 1 WAN, 4 LAN; 1 USB 2.0 port (NAS, printer, 3.5G communication)

**Antenna:** 2 x 2dBi external detachable (2Tx2R)

**LEDs:** Power, WLAN, WPS, WAN, LAN (Link/Act)

**Button:** Hardware Reset, WPS

**Package Content:**

- 802.11b/g/n Router
- Power Supply
- User's Guide (CD)
- 1 db RJ-45 cable

### Technical Specification

Standard	WLAN: IEEE 802.11n, IEEE 802.11b/g LAN: IEEE 802.3, IEEE 802.3u
Frequency Band	2.4GHz ISM Band
Operating Channel	13 Channels (Europe), 11 Channels (US, Canada), 14 Channels (Japan)
Channel Width	20Mhz or 40Mhz ( N band only)
Modulation	BPSK / QPSK / 16-QAM / 64-QAM
Transmit Power	IEEE 802.11n: < 13 dBm IEEE 802.11g: < 15 dBm IEEE 802.11b: < 17 dBm
Receiver Sensitivity	IEEE 802.11n: -64dBm @ 10% IEEE 802.11g: -70dBm @ 10% IEEE 802.11b: -80dBm @ 8%
Data Transfer Rates	300,120, 60, 54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1 Mbps
Operating Range	Indoor 100m, Outdoor 280m *The performance various depend on environment.
Antenna	2 x 2dBi external detachable, SMA connector
Security	64/128 bit WEP, WPA, WPA2, TKIP, AES, WPA with Radius
Operating Mode	Gateway, Bridge, WISP (Wireless Internet Service Provider)
Wireless Mode	AP / Client / WDS / AP+WDS, Universal Repeater
Network Type	Infrastructure and Ad Hoc ( While the Wireless Mode is selected to be Client)
Chipset	Realtek RTL8196C + RTL8192CE
Flash	4 MB
RAM	32 MB SDRAM
Size	137.5 x 93 x 32 mm (L x W x H)
Temperature	Operating: 0C - 50C Storing: -10C - 70C
Humidity	5-90%, Non-condensing
Power Supply	DC 12V, 1A
WAN Port	1 x 10/100Base T-Ethernet switch port (auto sensing)
LAN Port	4 x 10/100Base T-Ethernet switch port (auto sensing)
USB Port	1 x USB 2.0 port
LED Indicators	Power, WLAN, WPS, WAN, LAN (Link/Act)
Buttons	Reset to default setting, WPS (Wi-Fi Protected Setup)
Warranty	1 year

**Compatible 3G (UMTS) USB Modem List:**

<b>A-Link</b>	3GU, Titan
<b>Huawei</b>	E156, E160, E169, E172, E173, E180, E220, E226, E230, E270, E272, E367, E170, E1550, E1552, E1750, E1752, E1762, E182E, E1820, EC618C, K3715, K3765, K4505
<b>Nokia</b>	CS-15, CS-17, CS-19
<b>Novatel</b>	MC950D, XU870
<b>Option</b>	ICON225, ICON401, ICON505, ICON505M
<b>Sierra</b>	MC8700, MC8775, MC8790, MC8792V, MC8795V, Compass 889, AirCard 309
<b>Solomon</b>	S3GM-645-11, S3GM-646, S3GM-690
<b>Sony Ericsson</b>	MD300, MD400
<b>ZTE</b>	MF622, MF626, MF636, MF668
<b>Más gyártók</b>	Aiko 82D, Datang 201, Giant D301, SIPTune LM-75, Webee, AnyData ADU 500A, BandLuxe C120