

WI-BRIDGE 150Mbps Wireless N ADSL2+ Modem Router with 5dbi Antenna

Model: ADW40-03

ADW40-03 is a high speed wireless N ADSL2+ modem router. It combines the functionality of a DSL modem, 4 port NAT router and a wireless access point.



Ideally suited for a residential, SOHO or business entity as the device provides high-speed internet user access via four 10/100 BaseT Ethernet ports and an 11N Wi-Fi port. It connects to the internet via one DSL enabled telephone line.

By supporting the latest ADSL standards, ADW40-03 brings with much higher speed than a dial-up connection (**up to 24Mbps downstream and 3.5Mbps upstream and longer reach from user's local Internet Service Provider(ISP))** without compromising on the voice quality on the telephone line. Now you can enjoy more kinds of bandwidth consuming applications like HD video streaming wirelessly which cannot be accommodated by 11g products. ADW40-03 can guarantee the security of data transmission from home to corporate network or between remote branch offices.

With built in robust firewall functionality the ADW40-03 allows users to **safely access internet, share data, audio and video streaming**. This device supports secure WLAN access and allows users to use it as a **WLAN access point or WLAN device**.

It complies with IEEE 802.11, 802.11b/g/n specifications, WEP, WPA, and WPA2 security specifications.

ADW40-03 offers convenient configuration and management by a web browser through Ethernet and or wireless interface

Features:

- Complies with IEEE 802.11n to provide a wireless data rate of up to 150Mbps
- Provides 1 RJ11 DSL port, 4 RJ45 LAN ports
- Up to 24Mbps downstream speed
- Reach of 6Km from your ISP DSLAM
- Supports Built-in PPPoE
- DHCP Server/Client
- NAT, static routing, and DMZ host
- QoS prioritization based on IP type of service
- Easy Setup Assistant provides quick & hassle free installation
- Provides 64/128-bit WEP encryption security and wireless LAN ACL (Access Control List)
- Supports web management and firmware upgrade
- Supports WPS (Wi-Fi Protected Setup)
- Easy one touch WPA wireless security encryption with WPS button
- Supports port VLAN binds specific LAN ports and PVC's for differential services
- Backward compatible with 11b/g products
- Built-in firewall supporting IP address filtering, MAC address filtering
- High power Antenna- 5dbi
- Easy setup web and CD Wizard

Technical Specifications:

| Parameter | Specifications |
|--|---|
| System Specifications | |
| Chipset | Realtek 8676S |
| SDRAM | 8 MB |
| Serial Flash | 2 MB |
| Features and Technical Specifications | |
| ADSL Features | <ul style="list-style-type: none"> ● ANSI T1.413 Issue2 ● ITU G.992.1(G.dmt) Annex A ● ITU G.992.2 (G.lite) Annex A ● ITU G.992.3 ADSL2 (G.dmt.bis) Annex A, Annex L and Annex M ● ITU G.992.5 ADSL2 plus |
| Ethernet Features | <ul style="list-style-type: none"> ● Fully compliant with IEEE802.3/802.3u auto-negotiation function ● 10Base-T and 100Base-TX ● Half duplex and full duplex ● Back pressure flow control for half duplex and IEEE802.3x flow control for full duplex ● Auto MDI/MDIX |
| Wireless Features | <ul style="list-style-type: none"> ● Standard: IEEE802.11b, IEEE 802.11g, and IEEE 802.11n ● Frequency Band: 2.4GHz (ISM frequency band) ● Modulation Schemes: DSSS, CCK, OFDM, DBPSK/BPSK, DQPSK/QPSK, 16QAM, 64QAM ● Wireless Data Rate: <ul style="list-style-type: none"> 802.11n: <ul style="list-style-type: none"> – 20 MHz BW: 150, 130, 117, 104, 78 |

| Parameter | Specifications |
|--------------------|---|
| | <ul style="list-style-type: none"> – 40 MHz BW: 300, 270, 243, 216, 162, 108 802.11g: 54/48/36/24/18/12/9/6 M (auto adaptive) 802.11b: 11/5.5/2/1 M (auto adaptive) ● Sensitivity: <ul style="list-style-type: none"> 802.11n: <ul style="list-style-type: none"> – 20 MHz BW: 6.5M:-80dBm@10% PER, 130M: -62dBm@10% PER – 40 MHz BW: 6.5M:-77dBm@10% PER, 130M: -59dBm@10% PER 802.11g: <ul style="list-style-type: none"> – 6M: -85dBm@10% PER – 54M: -68dBm@10% PER 802.11b: <ul style="list-style-type: none"> – 1M: -85dBm@10% PER, – 11M: -79dBm@10% PER ● Operating Channels: 802.11b/g/n <ul style="list-style-type: none"> – 11: (Ch. 1-11) North America – 13: (Ch. 1-13) Europe ETSI – 14: (Ch. 1-14) Japan ● Frequency Range: 802.11 b/n/g <ul style="list-style-type: none"> – 2.412 1 GHz – 2.462 GHz: North America – 2.412 GHz – 2.472 GHz: Europe ETSI – 2.412 GHz – 2.484 GHz: Japan ● Transmit Output Power: <ul style="list-style-type: none"> – 802.11b: 18.5 ± 1.5 dbm – 802.11g: 15 ± 1.5 dbm – 802.11n: 15 ± 1.5 dbm ● Transmission distance: 200 meters outdoors, 80 meters indoors coverage area (varying depending on the actual environment) ● Security: 64-bit, 128-bit WEP, AES, TKIP, WPA, WPA2, 802.1x ● Certifications: IEEE 802.11 compliant, Wi-Fi 802.11n draft 2.0 and 802.11b/g certified ● Antenna Type: 1T1R Fixed 5dbi |
| Management Support | <ul style="list-style-type: none"> ● Web and TFTP modes for local and remote version upgrade ● Configuration through the Web interface ● Telnet CLI ● Reset function: hardware reset or Web interface mode ● Backup and restoration of configuration files ● Modification to IP address of the LAN interface ● System log ● SNTP enactment ● TR069 |
| Security Support | <ul style="list-style-type: none"> ● Firewall ● Changeable passwords of two-level users ● Denial of service (DoS) which detects and protects against a number of attacks (such as SYN Flood, Smurf/Ping/Snork Attack, IP Spoof ● Packet filter based on IP address and port ● Parent control based on MAC address ● PAP and CHAP authentication |

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|---------------------------------|---|
| Interfaces | <ul style="list-style-type: none"> ● 1 x push power switch ● 1 x DC power jack ● 1 x reset button ● 4 x RJ45 LAN interfaces ● 1 x RJ11 DSL interface |
| Environment Requirement | |
| Operating Temperature | 0°C—40°C |
| Storage Temperature | -20°C—70°C |
| Operating Humidity | 10%—90%, non-condensing |
| Storage Humidity | 5%—95%, non-condensing |
| Power Supply | <ul style="list-style-type: none"> ● Input power: 110 V—240 V AC ● Output power: 12 V DC, 500mA |
| EMC and Safety | |
| Regulatory Compliance | <ul style="list-style-type: none"> ● CE ● 3C ● K.21 |
| Safety Regulations | UL |
| Green Standard | RoHS |
| Physical Characteristics | |
| Physical Dimension | L165*W113*H33 |
| Weight | 260g+/-10% |
| Package Content | |
| Wireless Modem Router | 1 number |
| Resource & CD Wizard | 1 number |
| Quick Installation Guide | 1 number |
| Power Adapter | 1 number |
| Ethernet Cable | 1 number |
| Telephone Line cables | 2 number |
| ADSL Splitter | 1 number |