ADSL2/2+
4 Ethernet Port | WiFi 802.11b/g/n
AR-5307u
Wireless Router

The AR-5307u is a high-performance wireless ADSL router, with an uplink rate of up to 1 Mbps and downlink rate of up to 24 Mbps. It provides one RJ11 telephone interface, four RJ45 Ethernet interfaces, and one USB interface and 2T2R WiFi. The telephone interface is used for connecting to the Internet provided by the telecom carrier. The Ethernet interfaces are used for connecting to the computer, through which you can access the Internet. The 2T2R WiFi is used for accessing the Internet wirelessly. Computers that are connected with the router through the Ethernet interfaces can establish a small local area network (LAN). Those computers can communicate with each other, sharing resources and files. The AR-5307u is an ideal broadband CPE solution for both home users who wish to share high-speed Internet access and small offices that wish to do business on the Internet.

The AR-5307u has a Web-based graphic user interface (GUI), in which you can easily modify the settings and connect to your ISP. It also provides flow statistics, connection status, and other detailed information. It supports static IP address, dynamic IP address, and PPPoE connection. The AR-5307u is easily upgraded and provides terminal users and ISP with the guarantee of the future.

- Supports VPN pass-through, including IPSec and multiple parallel PPTP tunnel
- Compliant with IEEE802.11b/g/n standards, high speed access to the Internet wirelessly

FEATURES

- RFC 2684 Multiprotocol Encapsulation over ATM Adaptation Layer 5
- RFC1483 Multiprotocol Encapsulation over ATM Adaptation Layer 5
- RFC2516 PPP over Ethernet (PPPoE)
- RFC1662 PPP in HDLC-like Framing
- RFC1332 PPP Internet Protocol Control Protocol
- RFC894 A Standard for the transmission of IP Datagrams over Ethernet Networks
- RFC1042 A Standard for the transmission of IP Datagrams over IEEE 802 Networks
- MER (IP over Ethernet over AAL5)
- PPTP, L2TP, IPSec, and SIP application layer gateway (ALG)
- Self-learning bridge (IEEE 802.1D Transparent Bridging)
- Supports at least 64 learning MAC addresses

- RFC768 User Datagram Protocol (UDP)
- RFC791 Internet Protocol (IP)
- RFC792 Internet Control Message Protocol (ICMP)
- RFC793 Transmission Control Protocol (TCP)
- RFC826 An Ethernet Address Resolution Protocol (ARP)
- RFC862 Echo Protocol
- G.992.1 (T1.413)
- G.992.2 (G.dmt), G.lite
- G.992.3 (G.bis/ADS L2)
- G.992.5 (ADSL2+)
- Annex L (reach extended ADSL2)
- ATM forum UNI3.0, 3.1 and 4.0 permanent virtual circuits (PVCs)
- CBR, UBR, VBR-rt and VBR-nrt
- ITU-T i.610F4/F5 OAM
- IP routing

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SPECIFICATIONS

Chipset
· MT7505+MT7550+MT7592

DDR SDRAM
· MCM DRAM inside

Serial Flash
· 16MB

Wireless Features
· Standard: IEEE802.11b/g/n
· Frequency band:
　· 802.11b: ISM band 2.400 GHz—2.484 GHz (according to the local regulations)
　· 802.11g: ISM band 2.400 GHz—2.484 GHz (according to the local regulations)
　· 802.11n draft:
　–　ISM band
　–　2.400 GHz—2.484 GHz (channel BW=20/40 MHz)
· Wireless data rate:
　· 802.11b: 11, 5.5, 2, 1 Mbps per channel, auto fallback for extended range
　· 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps per channel, auto fallback for extended range
　· 802.11n:HT20: up to 144.4Mbps
　· 802.11n:HT40: up to 300Mbps
· Security: 64-bit, 128-bit WEP, AES, TKIP, WPA, WPA2, 802.1x

Configuration Management
· Web, TR069 and SNMP configuration management
· Telnet and SSH
· Two-level user management, including administrator and user
· Ping diagnostics
· Software upgrade, double Image backup, and HTTP upgrade
· Upgrade and download of the configuration file
· Record log, upload log through TFTP, clear log, and download log through HTTP

External Connectors
· 1 x RJ11 DSL interface
· 1 x USB Host interface
· 1 x reset button
· 1 x WLAN button
· 1 x WPS button
· 4 x RJ45 Ethernet interfaces
· 1 x power interface
· 1 x power switch

Ethernet Interface Features
· Fully compliant with IEEE802.3/802.3u standards
· 10Base-T and 100Base-TX
· Half duplex and full duplex
· Auto MDI/MDIX
· Flow control

Consumption
· 5.4W (0.5A USB load)

Basic Features
· Set IP address and subnet mask at the LAN end and manage domain name
· VLAN and port binding at the LAN end
· DHCP server, Option 60/15/42/50/250, and management of multiple address pools
· DHCP Relay, compatible with RFC2131, RFC951, RFC1542
· 10M/100M, self-adaptation, half duplex and full duplex management of the LAN port
· Up to eight WAN connections
· RFC 2364 (PPPoA), RFC 2684 (RFC 1483) Bridge/Route; RFC 2516 (PPPoE); RFC 1577 (IPoA)
· VLAN at the WAN end and 802.1q VLAN
· NAT and NAPT

Advanced Features
· ALG: TFTP/FTP/PPTP/RTSP/L2TP/H323
· MAC address filtering in the whitelist mode
· Virtual server
· DNS agent
· Manual configuration of DNS
· QoS:
　–　Interface management, supporting strict-priority (SP) and DWRR scheduling modes
　–　Queue management, supporting eight priority queues
　–　Flow classification management
· Anti-DoS, independent switch for each protection item, and anti-port-scanning switch
· IP filtering, security level configuration, blacklist and whitelist based on WAN/LAN end (each list supporting up to 20 entries of IP filtering configuration)
· Ping/Web/Telnet/SSH/FTP/TFTP local access control
· Ping/Web/Telnet/SSH/FTP/TFTP remote access control
· UPnP
· IGMP Snooping and IGMP data control of the port
· IGMP relay
· Static routing
· Dynamic routing management, RIPV1, RIPV2, active and passive modes
· SNTP
· URL filtering, blacklist and whitelist filtering
· DMZ

Environment Requirement
· Operating Temperature: 0ºC—40ºC
· Storage Temperature: -20ºC—70ºC
· Operating Humidity: 10%—95%, non-condensing
· Storage Humidity: 5%—95%, non-condensing
· Power Supply: 12 V DC, 1A

EMC and Safety
· Regulation Compliance　: FCC
　　　　　　　　　　　　　 CE
　　　　　　　　　　　　　 CCC Class B
· Green Standard　RoHS

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