

ADSL2/2+

4 Ethernet Port | 802.11n (High Power, 400mw)

AR-5312u Wireless Router



AR-5312u is an 802.11n (300Mbps) Wireless ADSL2+ router comprising four 10/100 Base-T Ethernet ports, a Wi-Fi Protected Setup (WPS)/ Wi-Fi switch button, a USB Host, and is backward compatible with existing 802.11b (11Mbps) and 11g (54bps) equipment.

The AR-5312u ADSL2+ router provides state of the art security features such as 64/128 bit WEP encryption and WPA/WPA2 encryption, Firewall, and VPN pass through. It is designed for both residential and business applications that require wireless and wired connectivity to an ADSL broadband network. Supporting up to 16 contiguous virtual connections allowing for multiple simultaneous Internet connections the AR-5312u is also designed with a TR-068 compliant color panel, which eases the installation of the modem making it more user-friendly.

FEATURES

- Annex A/L/M
- PhyR and G.INP
- Up to 16 PVCs and Up to 8 PTM flows
- Auto PVC configuration
- Integrated 802.11b/g/n AP
- WPA/WPA2, 802.1x and RADIUS client
- Wi-Fi Protected Setup (WPS) 2.0
- Wireless Distribution System (WDS)
- WMM
- IPv6 compliant
- UPnP
- IGMP Snooping/Proxy and Fast Leave
- DNS Proxy/Relay
- DHCP Server/Client
- Dynamic IP assignment
- NAT/PAT
- IP/MAC address filtering
- Static route and RIP/RIP v2 routing function
- Per-PVC packet level QoS
- 3G Backup and Printer Server (IPP)
- USB mass-storage and file sharing (Samba)
- DLNA Server
- Embedded SNMPv2 agent
- FTP/TFTP server
- TR-064/TR-069/TR-098/TR-111
- Configuration backup and restoration
- Web-based management
- HTTPS/HTTP server
- Remote administration, automatic firmware upgrade and configuration

AR-5312u

4 Ethernet Port | 802.11n



SPECIFICATIONS

Hardware

- RJ-11 X1 for ADSL,
- RJ-45 X 4 for LAN,
- Wi-Fi external Antennas X 2
- Reset button X 1,
- WPS/ WiFi switch X1,
- Power switch X 1
- USB Host X 1

WAN

- ADSL standard
ITU-T G.992.5, ITU-T G.992.3, ITU-T G.992.1, ANSI T1.413
Issue 2, Annex A/L/M
- G.992.5 (ADSL2+):
Downstream : 24 Mbps Upstream : 1.3 Mbps
- G.992.3 (ADSL2)
Downstream : 12 Mbps Upstream : 1.3 Mbps
- G.DMT
Downstream : 8 Mbps Upstream : 832 Kbps

LAN

- IEEE 802.3, IEEE 802.3u
- Support MDI/MDX
- 10/100 Base T Auto-sense

Wireless

- IEEE802.11b/g/n
- High Power Wireless, 400mw
- 64, 128-bit Wired Equivalent Privacy (WEP) Data Encryption
- 11 Channels (US, Canada)/ 13 Channels (Europe)/ 14 Channels (Japan)
- Up to 300Mbps data rate
- Multiple BSSID
- MAC address filtering, WDS, WEP, WPA, WPA2, IEEE, 802.1x

Management

- TR-064/TR-069/TR-098/TR-111, SNMP, Telnet, Web-based management, Configuration backup and restoration
- Software upgrade via HTTP, TFTP server, FTP server, or ACS

Security Functions

- PAP, CHAP, Packet and MAC address filtering, SSH
- VPN termination
- Three level login including local admin, local user and remote technical support access

QoS

- Packet level QoS classification rules,
- Priority queuing using ATM/PTM TX queues,
- IP TOS/Precedence,
- 802.1p marking,
- DiffServ DSCP marking
- Src/dest MAC addresses classification

ATM Attributes

- Support up to 16 PVCs
- UBR/CBR/VBR-rt//VBR-nrt
- UNI 3.1/4.0
- OAM F4/F5

PTM Attributes

- PTM Adaptation Layer: Ethernet packet format,
- Support 8 flows,
- Support preemption and dual latency,
- Support PTM shaping

Networking Protocols

- RFC 2684 VC-MUX, LLC/SNAP encapsulations for bridged or routed packet
- RFC 2364 PPP over AAL5
- IPoA, PPPoA, PPPoE, Multiple PPPoE sessions on single PVC, PPPoE pass-through
- PPPoE filtering of on-PPPoE packets between WAN and LAN
- Transparent bridging between all LAN and WAN interfaces
- 802.1p/802.1q VLAN support
- Spanning Tree Algorithm
- IGMP Proxy V1/V2/V3, IGMP Snooping V1/V2/V3, Fast leave
- Static route, RIP v1/v2, ARP, RARP, SNTP
- DHCP Server/Client/Relay,
- DNS Proxy/Relay, Dynamic DNS,
- UPnP IGD v1.0
- IPv6 subset
- DLNA server
- Samba

Firewall/Filtering

- Stateful Inspection Firewall
- Stateless Packet Filter
- Day-time Parental Control
- URI/URL filtering
- Denial of Service (DOS): ARP attacks, Ping attacks, Ping of Death, LAND,SYN, Smurf, Unreachable, Teardrop
- TCP/IP/Port/interface filtering rules Support both incoming and outgoing filtering

NAT/NAPT

- Port Triggering
- Virtual Server (Port Forwarding)
- Symmetric port-overloading NAT, Full-Cone NAT
- Dynamic NAPT (NAPT N-to-1)
- DMZ host
- NAT loopback
- VPN pass-through (PPTP, L2TP, IPSec)

Application Layer Gateway (ALG)

- SIP, H.323, Yahoo messenger, ICQ, RealPlayer, Net2Phone, NetMeeting, MSN, X-box, Microsoft DirectX games and etc.

Environment Condition

- Operating temperature: 0 ~ 40 degrees Celsius
- Relative humidity: 5 ~ 95% (non-condensing)

Kit Weight

- 1* AR-5312u, 1*RJ11 cable, 1*RJ45 cable, 1*power adapter
0.6 KG



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