

# AR-5381u

## 802.11n ADSL2+ Router



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### Description

The AR-5381u is an 802.11n (300Mbps) Wireless ADSL2+ router.

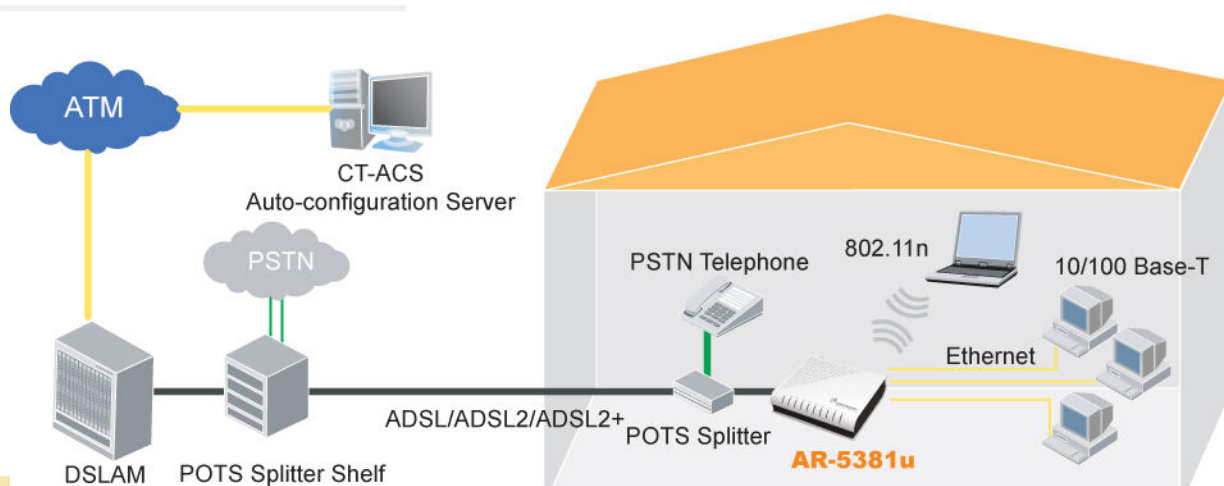
AR-5381u has four 10/100 Base-T Ethernet ports, a Wi-Fi Protected Setup (WPS) button and a Wi-Fi switch button, one USB Host, which can support 3G USB dongle, and is backward compatible with existing 802.11b (11Mbps) and 11g (54bps) equipment.

The AR-5381u ADSL2+ router also provides state of the art security features such as 64/128 bit WEP encryption and WPA/WPA2 encryption, Firewall, and VPN pass through. The AR-5381u is designed for both residential and business applications that require wireless and wired connectivity to an ADSL broadband network. The AR-5381u supports up to 16 contiguous virtual connections allowing for multiple simultaneous Internet connections. The AR-5381u is also designed with TR-068 compliant color panel, which eases the installation of the modem and makes it more user-friendly.

### Features

- AR-5381u (Annex A)
- UPnP
- 2x2 MIMO wireless system
- Integrated 802.11n AP (Backward compatible with 802.11b/g)
- WPA/WPA2 and 802.1x
- Wi-Fi Protected Setup (WPS)
- Wireless Distribution System (WDS) support
- WMM
- RADIUS client
- IP/MAC address filtering
- Static route/RIP/RIP v2 routing functions
- Dynamic IP assignment
- IP QoS
- NAT/PAT
- IGMP Proxy
- DHCP Server/Relay/Client
- DNS Proxy
- Auto PVC configuration
- Per-VC packet level QoS
- Up to 16 VCs
- Embedded SNMP agent
- Web-based management
- Supports remote administration, automatic firmware upgrade and configuration
- Configuration backup and restoration
- FTP/TFTP server
- Supports TR-069/TR-098/TR-111 for remote management
- TR-068 compliant

### Applications Diagram



# AR-5381u

## 802.11n ADSL2+ Router

### Specifications

#### Hardware Interface

RJ-11 X1 for ADSL, RJ-45 X 4 for LAN, WPS X 1, Wi-Fi switch x1, USB Host X1, Reset button X 1, Power switch X 1, Wi-Fi internal Antenna X2

#### WAN Interface

ADSL standard	ITU-T G.992.5, ITU-T G.992.3, ITU-T G.992.1, ANSI T1.413 Issue 2	
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
AnnexM		

#### LAN Interface

Standard	IEEE 802.3, IEEE 802.3u
10/100 BaseT	Auto-sense
MDI/MDX support	Yes

#### WLAN Interface

Standard	IEEE802.11n, backward compatible with 802.11b/g
Encryption	64, 128-bit Wired Equivalent Privacy (WEP) Data Encryption/ WPA/WPA2 encryption
Channels	11 Channels (US, Canada)/ 13 Channels (Europe)/ 14 Channels (Japan)
Data Rate	Up to 300Mbps
WPA/WPA2	Yes
IEEE 802.1x	Yes
Afterburner mode (Turbo mode)	Yes (this feature is optional)
RF operating Frequency	2.412-2.497GHz (Generic, 2.4GHz ISM Band), 2.400-2.4835GHz (Egypt, 2.4GHz ISM Band).
WMM	Yes

#### ATM Attributes

RFC 2364 (PPPoA), RFC 2684 (RFC 1483) Bridge/Route; RFC 2516 (PPPoE); RFC 1577 (IPoA), Annex M	
Support PVCs	16
AAL type	AAL5
ATM service class	UBR/CBR/VBR
ATM UNI support	UNI3.1/4.0
OAM F4/F5	Yes

#### Management

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

#### Bridge Functions

Transparent bridging and learning	IEEE 802.1d
VLAN support	Yes
Spanning Tree Algorithm	Yes
IGMP Proxy	Yes

#### Routing Functions

Static route, RIP, and RIPV2, NAT/PAT, DHCP Server/DHCP Relay/DHCP Client, DNS Proxy, ARP

#### Security Functions

Authentication protocols	PAP, CHAP, TCP/IP/Port filtering rules, Port triggering/Forwarding, Packet and MAC address filtering, Access control, SSH
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#### QoS

L3 policy-based QoS, IP QoS, ToS

#### Application Passthrough

PPTP, L2TP, IPSec, VoIP, Yahoo messenger, ICQ, RealPlayer, NetMeeting, MSN, X-box, etc

#### Power Supply

External power adapter	100 - 240 Vac
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#### Environment Condition

Operating temperature	0 ~ 50 degrees Celsius
Relative humidity	5 ~ 95% (non-condensing)

#### Kit Weight (1\*AR-5381u, 1\*RJ11 cable, 1\*RJ45 cable, 1\*power adapter, 1\*CD-ROM)

0.6 KG

Note: Specifications are subject to change without notice.

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