

# ADSL Family

## ADSL2+ Modem



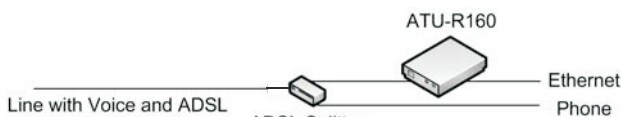
# ATU-R160

The ATU-R160 ADSL2+ router is a full-featured ADSL router that provides high-speed Internet access and Ethernet direct connections to individual PCs or local area network with 10/100 Base-T Ethernet. The ATU-R160 uses an advanced ADSL chipset solution with a complete set of industry standard features that provide high-speed ADSL, ADSL2 and ADSL2+ Internet access for SOHO and residential users. The modem is available in two models, one with integral 4 port Ethernet switch and the other with single Ethernet port plus one USB port.

## Features

- Full rate operation with up to 24Mbps downstream data rate and up to 1Mbps upstream data rate enables high-speed Internet access
- Web GUI configuration and management
- Supports TFTP upgrade
- Provides ALGs to support most major applications, such as MSN Messenger, CUSeeMe, ICQ, IRC, LDAP, PPTP, FTP, Quake, SIP, H.323, NetBios Over TCP/IP
- Enables end-to-end ATM support, which allows traffic management and QoS
- Built-in DHCP server automatically assigns IP addresses to all workstations on your LAN
- All management and monitoring can be done through Telnet session
- UPnP support

## Application



## Specifications

<b>Web Management</b>	Web-based GUI Configuration / Management CLI (Command Line Interface) via serial interface or Telnet over Ethernet Telnet Remote Management Firmware upgrade via FTP / TFTP SNMP Support Built-in Diagnostic tool TR-069, CPE WAN Management Protocol
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<b>LEDs</b>	ADSL, DATA, LAN, USB, PWR
<b>Power</b>	DC 12V in
<b>Power Consumption</b>	130W
<b>Dimensions (D x W x H)mm</b>	125 x 88 x 27mm
<b>Weight</b>	3.5kg
<b>Temperature</b>	0~50°C (Operating) ,20~70°C (Storage)
<b>Humidity</b>	10~90% non-condensing
<b>Certification</b>	CE, FCC, RoHS
<b>MTBF</b>	25,000 hours

## Specifications

<b>Ports Interface</b>	1 port USB port with USB V1.1 (12Mbps) 1/4 ports RJ45 Ethernet 1 port RJ11 port for ADSL one reset button for factory default setting
<b>Standard</b>	IEEE802.3 10Base-T802.3u, 100Base-TX, RFC2516 (PPPoE), ANSI T1.413 issue 2 ITU-T G.992.1 (G.dmt) ITU-T G.992.2 (G.lite) G.994.1 (G.hs, Multimode) ITU-T G.992.3 (ADSL2 G.dmt.bis) ITU-T G.992.4 (ADSL2 G.lite.bis) ITU-T G.992.5 (ADSL2+, Annex A, B, L, M) Reach Extended ADSL (RE ADSL)
<b>Data Rates</b>	WAN to LAN up to 90Mbps, LAN to LAN up to 100Mbps
<b>ATM and PPP Protocols</b>	Support up to 8PVCs ATM Forum UNI 3.1/4.0 PVC Multi Protocol over AAL5 (RFC1483 / 2684) VC and LLC Multiplexing PPP over Ethernet (RFC 2516) PPP over ATM (RFC 2364) Traffic Shaping (ATM QoS) UBR, CBR, VBR, VBR-rt, VBR-nrt OAM F4 and F5 segment end-to-end loop-back, AIS, and RDI OAM cells VPI is 0-255 and VCI is 32-65535
<b>Bridging / Routing</b>	Ethernet to ADSL self-learning Transparent Bridging (IEEE 802.1d) IP routing-RIPv2 (backward compatible with RIPv1) Static IP routing Routing (TCP/IP/UDP/ARP/ICMP) IP Multicast IGMP v1/v2
<b>IP Management</b>	NAT (Network Address Translation) NAPT (Network Address and Port Translation) DHCP Server / Relay / Client (WAN Port) VPN (IPSec, PPTP, L2TP) Pass-Through DNS Proxy Dynamic DNS UPnP support Virtual Server (Port forwarding) and DMZ host
<b>Security</b>	PPP over PAP PPP over CHAP, DoS protection Stateful packet inspection Built-in NAT Firewall IP-based Packet filtering Password Protected System management

## Ordering Information

- **ATU-R160-1A** ADSL2+ 1-port Annex A modem with USB port
- **ATU-R160-1B** ADSL2+ 1-port Annex B modem with USB port
- **ATU-R160-4A** ADSL2+ 4-port Annex A modem
- **ATU-R160-4B** ADSL2+ 4-port Annex B modem