

ADSL Modem Series ATU R-140



ADSL2+ Bridge/ Router Modem

The new standards ADSL 2 and ADSL 2+ provide greater reach and higher data rates. The two technologies were developed side by side, and are downwardly compatible with the existing G.992.1 ADSL standard. ADSL 2+ (G.992.5) brings ADSL access to users who until now were located too far from the operator's central office. The increased reach is possible because of new modulation techniques in conjunction with improved error correction through trellis coding.

Essentially an upgrade to traditional ADSL technologies, ADSL 2+ brings the possibility of multi-megabit bandwidth and greater reach for broadband services, meaning easy deployment and expansion into rural areas, where coverage is low. With up to 24 megabit connections possible, mass-market applications such as video on demand, premium access and networked gaming are improved tremendously.

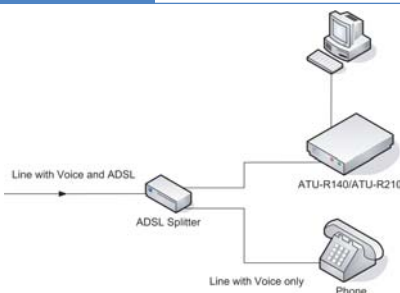
Features

- Texas Instruments Chip solution
- ADSL/ADSL2/ADSL2+ supported
- All Digital Loop ADSL supported
- Comprehensive Firewall & Security Function
- Cost-effective sharing of a single DSL connection
- Ethernet supported for LAN connection
- Reach Extended ADSL2 (READSL2) supported
- UPnP NAT Traversal & Device Identification supported
- USB Interface (Optional)
- Web-based interface for easy configuration

Specifications

General Specification		
Physical Interface	WAN	One ADSL line RJ-11 port
	LAN	Four LAN RJ-45 port for 10/100M Ethernet LAN connection
Power	9VDC, AC Power Adapter for 110VAC or 220VAC	
Environment	Temperature	0 — 40°C (Operating); -20 — 70°C (Storage)
	Humidity	10 — 90%
Power Consumption	10W	
LEDs	INTERNET/PPP, PWR, WAN, LAN	
Dimensions(WxDxH)	145mm x 175mm x 34mm	
Weight	230g	
Compliance	FCC Part 15, CE	

Application



Specifications

Software Specifications	
ADSL Modem	ANSI T1.413 issue 2 All Digital Loop ADSL G.994.1 (G.hs, Multimode) ITU-T G.992.1 (G.dmt)/ITU-T G.992.2 (G.lite) 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, I, J, L & M)
PPP supports	PPP over ATM PVC (RFC2364) PPP over Ethernet (RFC2516) PPP authentication:PAP, CHAP & MS-CHAP
Security	Demilitarized Zone (DMZ) Management Utility Password-protected Deny of Service (DoS) protection Firewall with NAT Packet Filtering ; Content Filtering Stateful Packet Inspection (SPI) firewall VPN pass through (IPsec, PPTP)
ATM Attributes	Adaptation Layers AAL5, AAL2 and AAL0 are supported OAM F4/F5 loop back Up to 8 PVCs
Bridge Mode	Bridge Filtering IEEE 802.1D transparent bridging RFC 1483 Bridge
Router Mode	DHCP (RFC1541) Server, Relay and Client DNS relay/ IGMP v1 and v2/ ToS supported Network Address Translation (NAT)/ Network Address Port Translation (NAPT) RFC 1483 Route/ IPoA (RFC1577) RIP 1 & 2 supported
Regulatory Approvals	FCC Part 15 ; FCC Part 68, CE, LVD (upon customer's request)
Quality of Service (QoS)	Constant Bit Rate (CBR), Real-Time Variable Bit Rate (VBR-rt), Non-Real-Time Variable Bit Rate (VBR-nt) and Unspecified Bit Rate (UBR)
Management	Remote/ local configuration & management through SNMP v1/v2, web and telnet Firmware upgrade and reset to default via Web management

Ordering Info

ATU-R140A	ADSL2/2+ Bridge/ Router Modem with RJ-11 & RJ-45, Annex-A
ATU-R140B	ADSL2/2+ Bridge/ Router Modem with RJ-11 & RJ-45, Annex-B