

ADSL2/ADSL2+ Ethernet Router/Bridge

AR80x Series



CastleNet's ADSL Ethernet Router/Bridge is an ideal for home and SOHO settings. It supports the latest ADSL technology ADSL2 & ADSL2+, which enables high-speed data to be carried over one copper line on the WAN side and the LAN side. The device combines routing and bridging functions in a single device for high-quality, and high-speed access to Internet. It connects to PC with 10 / 100Based-T Ethernet interface or USB interface (Optional), which provides the flexible and various applications.

Specification / Data Protocol

ADSL Compliance

ANSI T1.413 Issue 2

G.992.1	G.992.2	ADSL
G.992.3	G.992.4	ADSL2
G.992.5		ADSL2+

READSL2

G.992.3 Annex I and J All Digital Loop ADSL

ATM protocols

Up to 8 PVCs

Adaptation Layers AAL5, AAL2 and AAL0 are supported.

OAM F4/F5 loop back

PPP support

PPP over ATM PVC (RFC2364)

PPP over Ethernet (RFC2516)

PPP authentication: PAP (Password Authentication Protocol), CHAP (Challenge Handshake Authentication Protocol) & MS-CHAP (Microsoft Challenge Handshake Authentication Protocol)

Bridge Mode

RFC 1483 Bridge

IEEE 802.1D transparent bridging

Bridge Filtering

Router Mode

RFC 1483 Route

IPoA (RFC 1577)

RIP 1 & 2 supported

DHCP (RFC1541) Server, Relay and Client

Network Address Translation (NAT) Network Address Port Translation (NAPT)

DNS relay

IGMP v1 and v2

ToS supported

Quality of Service (QoS)

Constant Bit Rate (CBR), Real-Time Variable Bit Rate (VBR-rt), Non-Real-Time Variable Bit Rate (VBR-nrt) 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

Security

Firewall with NAT Packet Filtering Content Filtering

Stateful Packet Inspection (SPI) firewall

Deny of Service (DoS) protection

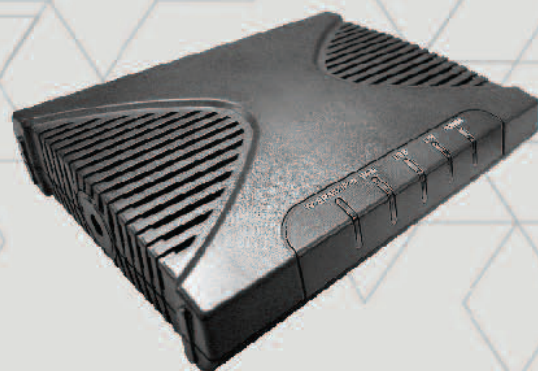
Demilitarized Zone (DMZ) Management Utility Password-protected

VPN pass through (IPsec, PPTP)

Certificate

FCC/CE/LVD

(Depend on customer request)



Feature

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

Ordering Information

Models	Description
AR803	1 port Ethernet (without USB) Router/Bridge for ADSL2/2+
AR804	1 port Ethernet (with USB) Router/Bridge for ADSL2/2+