

ADSL2/ADSL2+ Ethernet Router/Bridge **AR710 Series**



CastleNet 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

G.992.5 Annex M

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)

Bridge Mode

RFC 1483 Bridge

IEEE 802.1D transparent bridging

Bridge Filtering

Router Mode

PPPoE (RFC2516)

PPPoA (RFC2364)

IPoA (RFC1577)

RIP 1 & 2 supported

DHCP (RFC1541) Server, Relay Agent and Client

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

DNS proxy

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/v3, web and telnet

Firmware upgrade and reset to default via Web management

Security

Firewall with NAT

Stateful Packet Inspection (SPI) firewall

Intrusion Detection and protection

Deny of Service (DoS) protection

Demilitarized Zone (DMZ) Management Utility Password-protected

VPN pass through (IPsec, PPTP, and L2TP)

Certificate

FCC/CE/LVD

(Depend on customer request)



Feature

- ADSL/ADSL2/ADSL2+ supported
- LEDs, connectors, and accessories conform to TR-068
- Conform to DSL-Forum TR-067 ADSL Interoperability Test-Plan
- Conform to DSL-Forum TR-100 ADSL2 / ADSL2+ Performance Test-Plan
- Support bridge and router mode
- NAT/NAPT for sharing of a single DSL connection
- USB 2.0 device interface (Optional)
- Comprehensive Firewall & Security Function
- Web-based interface for easy configuration
- Easy Configurator help easily to configure AR710
- Conform to TR-069 CPE WAN Management Protocol (Optiona)