

ADSL2/ADSL2+ Ethernet Router/Bridge

AR900 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 or home network with 10 / 100Based-T Ethernet interface which provides flexible and various applications.

Specification / Data Protocol

ADSL Compliance

G.994
G.992.1 (G.dmt), supporting Annex A, B and I
G.992.2 (G.lite)
ANSI T1.413
G.992.3 (ADSL2), Annex J/K (SADSL), Annex L (REDSL),
Annex M (Sym-DSL)
G.992.5 (ADSL2+)

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



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 1.1 device interface
- Comprehensive Firewall & Security Function
- Web-based interface for easy configuration
- Conform to TR-069 CPE WAN Management Protocol