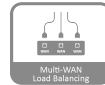


DH-AR306-E

L3 Managed Enterprise Router



- Featuring an exceptional high-performance professional processor and advanced software architecture, it delivers higher capacity and robust VPN performance, along with powerful security features, offering users a brand-new networking experience.



Series Overview

AR series routers are designed with advanced software architecture and high-performance processors that combine to provide you with high bandwidth, VPN services, and a brand new service experience. These routers are mainly used in scenarios that require high-speed internet access, making them ideal for use in a wide variety of scenarios, such as in small and medium-sized enterprises, government buildings, schools, and hospitals.

Functions

Multi-WAN Load Balancing

Supports multiple WAN link load balancing modes based on carrier destination IP address, WAN link bandwidth, and policy-based routing.

Network Access Control

Supports URL filtering for HTTP and HTTPS, website blocklist and allowlist, fuzzy keyword matching, and IP-based network traffic limiting and NAT entry limiting.

VPN Tunnel

Supports IPSec VPN and multiple algorithms. It is convenient for enterprises to use to build virtual private networks through the Internet. It also supports L2TP VPN, LNS and LAC modes.

Scene

Applicable for small and medium-sized enterprises, government agencies, hospitals, schools, hotels, and similar scenarios.

Technical Specification

Hardware

Modular Switch/Fixed Switch	Fixed
PoE Power Supply	No
Ethernet Port	5
Ethernet Port Speed	1 Gbps
Optical Port	1
Optical Port Speed	1 Gbps
Description of Function Slots	Port 0: 1 × RJ-45 10/100/1000 Mbps (WAN); Port 1–4: 4 × RJ-45 10/100/1000 Mbps (LAN, can be configured as WAN ports); SFP 5: 1 × SFP 10/100/1000 Mbps (WAN)
LAN Port	4 GE (all can be configured as WAN)
WAN Port	1 GE+1 SFP
USB	2
Console Port	1
Max. External Memory	Yes
Reset Button	1
Power Supply	12 VDC, 2 A
Dual Power Supplies	No
Operating Temperature	0 °C to +45 °C (+32 °F to +113 °F)
Operating Humidity	5%-95% (RH), non-condensing
Storage Temperature	–40 °C to +70 °C (–40 °F to 158 °F)
Power Consumption	Full load: 30 W

Performance

Maximum Clients	250
Firewall	800 Mbps
Forwarding Capability	540 Kpps
MTBF	50,000 hours

Memory	1 GB
Storage	256 MB
IPv4 Forwarding	64 Byte; 150K fps
IPv6 Forwarding	78 Byte; 150K fps

NAT

Max. Number of Concurrent Connections	250000
---------------------------------------	--------

IP Routing

IP Routing	Static routing; Dynamic routing: RIPv1/v2, OSPFv2, BGP, and IS-IS; Routing iteration; Policy-based routing; Multicast routing: IGMPV1/V2/V3, PIM-DM, PIM-SM, MBGP, and MSDP
------------	---

Security

Security	Supports ACL; Ipsec; IKE; ARP anti-attack; connection limit; and 802.1X
----------	---

IPv6

IPv6	GRE Tunnel; 6to4; ISATAP; ND; PMTU; OSPF V3; IS-IS V6; BGP4 + FOR IPV6; IPv6 PIM DM; IPv6 PIM SM; VRRP V3;
------	--

Multicast

Multicast	IGMP V1; IGMP V2; IGMP V3; PIM-SM; PIM-DM; MSDP;
-----------	---

Reliability

Reliability	LDP, Static LSP; L3VPN: Multiprotocol MPLS VPN (Option 1/2/3), nested MPLS VPN, hierarchy of PE (HoPE), CE dual-homing, MCE, multi-role host and more; L2VPN: Martini, Kompella, CCC, and SVC; MPLS TE, RSVP TE; VRRP, VRRPv3; Multi-link for load balancing and backup; Association between NQA and routing/VRRP/interface backup, and it realizes end-to-end link detection and backup.
-------------	---

DHCP

DHCP Function	DHCP Client; DHCP Relay; DHCP Server;
---------------	---

QoS/ACL

QoS/ACL	WFQ
---------	-----

Management & Maintenance

Equipment Management	SNMP v1/v2c/v3, TR069, SYSLOG, RMON;
----------------------	--------------------------------------

Equipment Management	Telnet, SSHv1.5/2.0, FTP; Embedded Automation Architecture (EAA) CLI management, file system management, Dual Image; Test NQA based on DHCP, FTP, HTTP, ICMP, UDP public, UDP private, TCP public, TCP private, and SNMP
----------------------	---

General

Product Dimensions	266 mm × 161 mm × 43.6 mm (10.47" × 6.34" × 1.72") (L × W × H)
Packaging Dimensions	480 mm × 370 mm × 290 mm (18.90" × 14.57" × 11.42") (L × W × H)
Casing Material	Metal
Installation	Desktop

Ordering Information

Type	Model	Description
Edge Router	DH-AR306-E	L3 Managed Enterprise Router

Dimensions (mm[inch])

