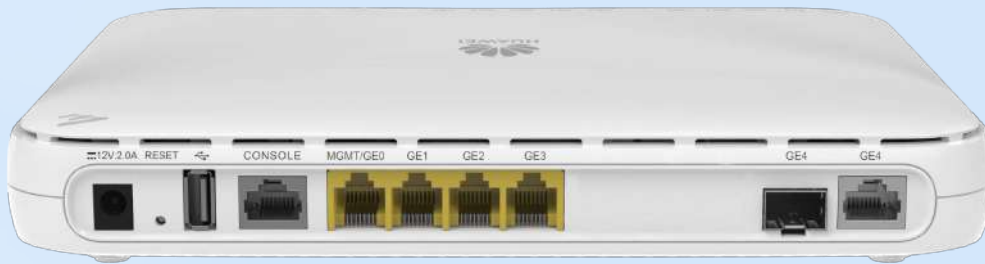




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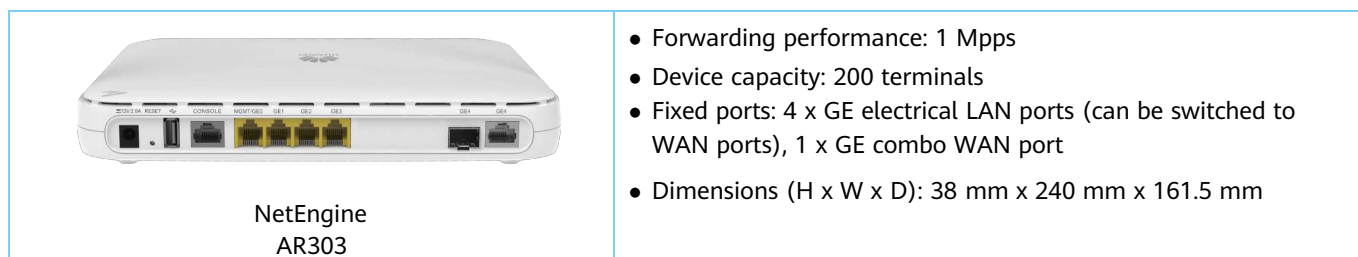
Huawei NetEngine AR303 Enterprise Router Datasheet



Make SME Network Easier and Smarter



Huawei NetEngine AR303 enterprise router is a next-generation fixed router designed for small- and medium-sized businesses (SMBs) and micro enterprises. It integrates diverse service features such as routing, switching, and security to meet the diverse service and performance requirements of enterprise customers.



Product Highlights

Dual-Core Processor, Leading Performance

- Double applications: The AR303 uses dual-core processors and separate the data plane from the forwarding plane, which can carry more enterprise applications.
- Higher performance: The AR303 delivers industry-leading service processing capability to easily process various enterprise applications.

Multi-Service Integration and Network Convergence

- Easy to construct: The AR303 supports plug-and-play, intelligent configuration without manual IP address configuration, and USB-based deployment. The PPP and VPN indicators show the service status, facilitating the rapid construction of enterprise IT networks.
- Simplified solution: The AR303 can be used in a solution that integrates the routing, switching, security. It can be quickly customized for specific customer groups to deliver solutions that meet customers' real needs.
- Easy to expand: The AR303 with 4 Ethernet ports provides greater employee access capacity for enterprises. Multiple uplink WAN ports can be flexibly configured to implement data load balancing and link protection, maximizing enterprise investment protection.

VRP Operating System, Mature and Stable

- Maturity and stableness: The AR303 adopts Huawei's leading VRP operating system and inherited modular hardware design to provide mature and stable user experience for enterprises and their branches.
- Low-noise office: Fanless design brings low noise and optimal user experience.
- Environment security: The failure rate of NetEngine AR303 due to lightning strikes is only 3% of the industry average, making it adapting to harsh environments.

Specifications

The following table lists the specifications of NetEngine AR303 router

Item	NetEngine AR303
Hardware specifications	
Forwarding performance (64 bytes)	1 Mpps
Device capacity*	200 terminals
Fixed WAN port	1 x GE combo

Item	NetEngine AR303
Fixed Ethernet switching port	4 x GE (can be switched to WAN ports)
USB port	1
Serial auxiliary or console port	1
Memory capacity	1 GB
Flash	1 GB
Maximum power	12 W
AC power supply	100 V AC to 240 V AC
Power frequency	50 Hz or 60 Hz
Operating temperature	0°C to 40°C
Relative operating humidity	5% to 95% (non-condensing)
Dimensions (H x W x D)	38 mm x 240 mm x 161.5 mm
Software specifications	
Basic functions	ARP, NAT, DNS, DHCP
LAN	IEEE 802.1p, IEEE 802.1Q, IEEE 802.3, VLAN management, VLAN aggregation, MAC address management, STP/RSTP, etc.
IPv4 unicast routing	Static route, routing policy, RIP, OSPF, IS-IS, and BGP
IPv6 tunneling	Manual tunnel, automatic tunnel, GRE tunnel, IPv6 over IPv4 tunnel, 6to4 tunnel, and ISATAP
IPv6 unicast routing	Static routes, routing policy, RIPng, OSPFv3, IS-ISv6, and BGP4+
Multicast	IGMPv1, IGMPv2, IGMPv3, PIM SM, PIM DM, MSDP, MBGP, IPv6 PIM, and MLD
VPN	IPsec VPN, GRE VPN, DSVPN, A2A VPN, L2TP VPN, L2TPv3 VPN
QoS	DiffServ mode, priority mapping, traffic policing (CAR), traffic shaping, congestion avoidance, congestion management, HQoS, MQC (traffic classifier, traffic behavior, and traffic policy), level-3 traffic scheduling and shaping (HQoS), and smart application control (SAC)
Security	ACLv4/v6, domain-based stateful firewall, 802.1X authentication, MAC address authentication, Portal authentication, and AAA, RADIUS, HWTACACS, PKI, broadcast storm suppression, ARP security, ICMP attack defense, URPF, CPCAR, blacklist, SM series cryptographic algorithms, online behavior management, and URL filtering
Management and maintenance	Upgrade management, device management, web system, GTL, SNMPv1/v2c/v3, RMON, NTP, CWMP, Auto-Config, email/USB/DHCP-based deployment, NETCONF/YANG, CLI, NetStream, TWAMP Light, IP FPM, TCP FPM, IP accounting, and NQA


* Note: The number of connected terminals is a typical value estimated based on the service model. It is for model selection reference only and does not constitute a business commitment.

More Information

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