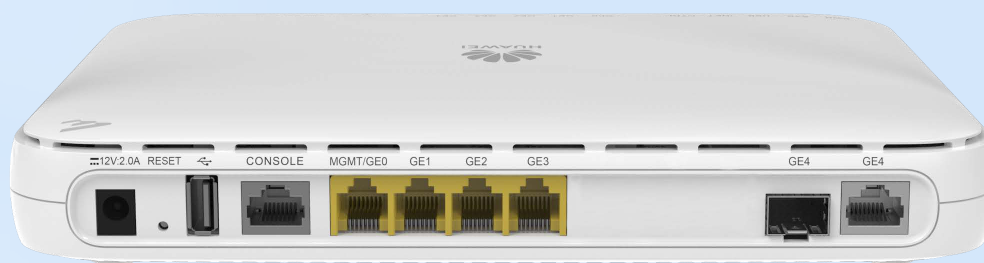




HUAWEI eKit


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.



NetEngine
AR303

- Forwarding performance: 1 Mpps
- Device capacity: 200 terminals
- Fixed ports: 4 x GE electrical LAN ports (can be switched to WAN ports), 1 x GE combo WAN port
- Dimensions (H x W x D): 38 mm x 240 mm x 161.5 mm

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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