



Huawei NetEngine AR5710 Series Enterprise Router Data Sheet

NetEngine AR5710 series enterprise routers are fixed-form-factor routers developed by Huawei for branches of enterprises to deliver high performance required by enterprise customers.

Product Overview

Huawei's next-generation NetEngine AR5710 series enterprise routers use high-performance multi-core processors and a non-blocking switching structure, helping to deliver higher forwarding performance than the industry average.

The NetEngine AR5710 series consists of models such as NetEngine AR5710-H8T2TS1, NetEngine AR5710-H8T2TS1-T, which can meet networking requirements of enterprises of different scales.

 <p>NetEngine AR5710-H8T2TS1</p>	<ul style="list-style-type: none"> • Fixed WAN ports: 2*GE Combo • Fixed LAN ports: 8*GE electrical • Dimensions (H x W x D): 44.0 mm x 300.0 mm x 220.3 mm
 <p>NetEngine AR5710-H8T2TS1-T</p>	<ul style="list-style-type: none"> • Fixed WAN ports: 2*GE Combo • Fixed LAN ports: 8*GE electrical • Dimensions (H x W x D): 44.0 mm x 300.0 mm x 220.3 mm

Features and Highlights

Features and Highlights of NetEngine AR5710

Service Requirement	Features and Highlights
High performance	<ul style="list-style-type: none"> • Non-blocking switching architecture • Industry-leading performance, providing low latency required by key services
High reliability	<ul style="list-style-type: none"> • Link backup for enterprise services, improving reliability • Fault detection and locating within milliseconds, reducing service downtime
Easy O&M	<ul style="list-style-type: none"> • Multiple management modes such as management through iMaster NCE-Campus and SNMP, simplifying network deployment and reducing OPEX

Service Requirement	Features and Highlights
SD-WAN Ready	<ul style="list-style-type: none"> • Built-in SD-WAN solution, building cost-effective and business-friendly connections over the Internet • Application identification and link quality-based intelligent traffic steering, ensuring key application experience • Multi-link traffic steering and Dual-gateway sites flexible networking • End-to-end IPsec encryption, ensuring secure service transmission

Architecture Highlights of Huawei NetEngine AR5710

Highlight	Benefits
Multi-core processor	High-speed WAN connections and powerful routing and computing capabilities, improving L4-L7 service processing efficiency

Product Specifications

Specifications	NetEngine AR5710-H8T2TS1/ NetEngine AR5710-H8T2TS1-T
SD-WAN service performance	1Gbps
Fixed WAN ports	2*GE Combo
Fixed LAN ports	8*GE electrical
MIC slot	1*MIC
Auxiliary or console port	1* RJ45 Console
USB port	1*USB
Memory	4GB
Flash	2GB
TPM	Only NetEngine AR5710-H8T2TS1-T Supported
Dimensions without packaging (H x W x D)	44.0 mm x 300.0 mm x 220.3 mm
Dimensions with packaging (H x W x D)	110.0 mm x 435.0 mm x 360 mm
Weight without packaging	1.8 kg
Rack	IEC
Occupied rack space	1U
Rated input voltage (V)	100V to 240V, 50 Hz/60 Hz
Input voltage range(V)	90V to 264V

Specifications	NetEngine AR5710-H8T2TS1/ NetEngine AR5710-H8T2TS1-T
Maximum input current (A)	3A
Maximum output power (W)	36W
Maximum power consumption(W)	29W
Fan modules	Built-in unpluggable fan modules
Airflow	Left to right
Noise	41.9dB
Operating temperature	0°C ~ 45°C
Operating humidity	5% to 95% (non-condensing)
Operating altitude	< 5000 m
Storage temperature	-40°C to + 70°C
Operating altitude	< 5000 m

Software Features and Protocols

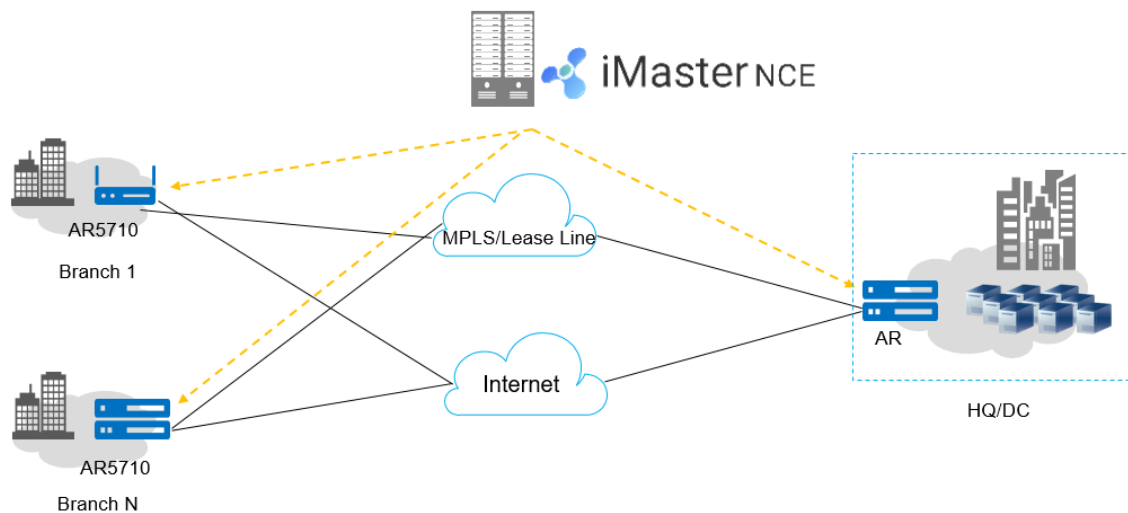
Item	NetEngine AR5710 Series
Basic function	DHCP server/client/relay, NAT, and sub-interface management
LAN	IEEE 802.1P, IEEE 802.1Q, IEEE 802.3, VLAN management, MAC management, STP/RSTP/MSTP
IPv4 unicast routing	Routing policies, static routes, RIP, OSPF, IS-IS, BGP, IP FRR
IPv6 unicast routing	Static routes, routing policies, RIPng, OSPFv3, IS-ISv6, BGP4+
Basic IPv6 function	IPv6 ND, IPv6 PMTU, IPv6 FIB, IPv6 ACL, ICMPv6, DNSv6, DHCPv6
Tunneling	GRE tunnel, NAT STUN, IPsec
VPN	GRE VPN, SD-WAN EVPN
QoS	Priority mapping, traffic policing (CAR), traffic shaping, congestion avoidance, congestion management, MQC (traffic classifier, traffic behavior, and traffic policy), hierarchical QoS, Smart Application Control (SAC)
Security	ACL (v4/v6), firewall, AAA authentication, RADIUS authentication, HWTACACS authentication, PKI, broadcast storm suppression, ARP security, ICMP attack defense, CPCAR, attack source tracing
Management and maintenance	Upgrade management, device management, GTL, SNMP (v1/v2c/v3), RMON, NTP, USB-based/DHCP deployment, Email deployment, NETCONF/YANG, CLI, TCP FPM, NQA

Item	NetEngine AR5710 Series
EMC standards compliance	<ul style="list-style-type: none"> •CISPR32 Class A •EN 55032 Class A •CISPR24 •EN 55024 •ETSI EN 300 386 •AS/NZS CISPR32 Class A •FCC Part 15 Subpart B Class A •ICES 003 Class A •IEC 61000-3-2 •EN 61000-3-2 •IEC 61000-3-3 •EN 61000-3-3 •GB 9254 •VCCI-CISPR32 Class A
Environmental standards compliance	<ul style="list-style-type: none"> •RoHS •REACH •WEEE
Security standards compliance	<ul style="list-style-type: none"> •IEC 60950-1 •EN 60950-1 •UL 60950-1 •CSA C22.2 No 60950-1 •GB 4943.1

Application Scenarios

In the SD-WAN solution, the AR5710 functions as the gateway of the enterprise headquarters or branch and supports extensive physical links, such as MPLS and Internet links. iMaster NCE-Campus provides visualized management for the AR5710. The AR5710 integrates a wide range of SD-WAN features such as intelligent application identification and intelligent traffic steering, delivering better service experience to enterprises. For details about Huawei SD-WAN Solution, visit <https://e.huawei.com/en/solutions/business-needs/enterprise-network/sd-wan>.

SD-WAN networking



Ordering Information

The configuration of the NetEngine AR5710 series includes host selection and software configuration.

- Host
Select the device model according to the uplink interface type and service requirements.
- Software
- The basic software and licensed software are available. The basic software provides basic functions, such as routing, switching, voice, and security. The licensed software provides additional functions, such as AC.

Host	Ordering Information
NetEngine AR5710-H8T2TS1	AR5710-H8T2TS1,2*GE combo WAN,8*GE LAN,1*USB,1*MIC slot
NetEngine AR5710-H8T2TS1-T	AR5710-H8T2TS1-T,2*GE combo WAN,8*GE LAN,1*USB,1*MIC slot
License	Ordering Information

More Information


For more information, visit <https://e.huawei.com/en/> or contact us in the following ways:

- Global service hotline: <http://e.huawei.com/en/service-hotline>
- Logging in to the Huawei Enterprise technical support website: <http://support.huawei.com/enterprise/>
- Sending an email to the customer service mailbox: support_e@huawei.com

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