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Overview

The industry's first enterprise-class Access Routers (AR) designed for the cloud era, the NetEngine AR series features 5G ultra-broadband uplink and boasts a forwarding performance that's 3x the industry average. Offering diverse features — supporting Software-Defined-Wide-Area Network (SD-WAN), cloud management, Virtual Private Network (VPN), Multiprotocol Label Switching (MPLS), security, and voice — the series also excels at coping with uplink traffic surges and promoting diversified service development.

Quick Specs

Table 1 shows the Quick Specs.

Product Code	AR6140E-9G-2AC
Forwarding Performance (LAN -> WAN + WAN -> LAN, NAT + ACL + QoS, IMIX)	2 Gbit/s
IPsec Performance (IMIX)	2 Gbit/s
Fixed WAN Ports	2 x GE RJ45 and 2 x GE SFP
Fixed LAN Ports	2 x GE SFP and 3 x GE RJ45 (can be configured as WAN)
SIC Slots	4
WSIC Slots	0 (default)/2 (maximum)
USB Port	1 x USB 3.0 (compatible with USB 2.0)
5G	Support 5G-SIC
Auxiliary or Console Port	1 x RJ45 console port
Memory	2 GB
Flash Memory	1 GB
Hot Swapping	Supported

Product Details

Features

5G Ultra-Broadband, High-Speed Interconnection

Full GE access: Ultra-broadband interconnection for enterprises with multiple branches, easily handling the traffic surges that result from increased mobile use and cloudification.

Cabling-free plug-and-play: Network provisioning anytime, anywhere — and within just one day.

3x the Forwarding Performance, Congestion-Free Services

Innovative "CPU + NP" forwarding architecture: Five built-in hardware acceleration engines achieve non-blocking concurrent services.

3x the forwarding performance: Ready for rapid traffic growth over the next three to five years, protecting investment.

SD-WAN for an Intelligent Experience

SD-WAN and built-in Adaptive-Forward Error Correction (A-FEC) algorithm: Frame freezing and artifacts are eliminated even with 20% packet loss, delivering a smooth experience.

Application-based intelligent traffic steering: Traffic of key applications is always transmitted on the optimal link.

Compare to Similar Items

Table 2 shows the comparison.

Product Code	AR6121E	AR6140E-9G-2AC
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Forwarding Performance (LAN -> WAN + WAN -> LAN, NAT + ACL + QoS, IMIX)	2 Gbit/s	2 Gbit/s
IPsec Performance (IMIX)	2 Gbit/s	2 Gbit/s
Fixed WAN Ports	2 x GE combo and 1 x 10 GE SFP+ (compatible with GE SFP)	2 x GE RJ45 and 2 x GE SFP
Fixed LAN Ports	1 x GE combo + 8 x GE RJ45 (can be configured as WAN)	2 x GE SFP and 3 x GE RJ45 (can be configured as WAN)
SIC Slots	2	4
WSIC Slots	0 (default)/1 (maximum)	0 (default)/2 (maximum)
USB Port	1 x USB 3.0 (compatible with USB 2.0) and 1 x USB 2.0	1 x USB 3.0 (compatible with USB 2.0)
5G	Support 5G-SIC	Support 5G-SIC
Auxiliary or Console Port	1 x RJ45 console port	1 x RJ45 console port
Memory	2 GB	2 GB
Flash Memory	1 GB	1 GB
Hot Swapping	Supported	Supported

Get More Information

Do you have any question about the AR6140E-9G-2AC?

Contact us now via [Live Chat](#) or sales@router-switch.com.

Specification

AR6140E-9G-2AC Specification	
Installation type	Rack
Dimensions without packaging (H x W x D) [mm(in.)]	Basic dimensions (excluding the parts protruding from the body): 44.4 mm x 442.0 mm x 428.2 mm (1.73 in. x 17.4 in. x 16.86 in.) Maximum dimensions (the depth is the distance from ports on the front panel to the handle on the rear panel): 44.4 mm x 442.0 mm x 431.2 mm (1.73 in. x 17.4 in. x 16.98 in.)
Dimensions with packaging (H x W x D) [mm(in.)]	175 mm x 710 mm x 550 mm (6.89 in. x 27.95 in. x 21.65 in.)
CPU	1.4 GHz, 4 Cores
Memory	4 GB
NAND Flash	1 GB
Console port	RJ45
RTC	Supported
Maximum power consumption [W]	34 W
Power supply mode	AC built-in
Number of power modules	2

Rated input voltage [V]	100 V to 240 V, 50 Hz/60 Hz
Input voltage range [V]	90 V to 264 V, 47 Hz to 63 Hz
Maximum input current [A]	2 A
Maximum output power [W]	70 W
Type of fans	Built-in
Number of fan modules	0
Heat dissipation mode	Air cooling
Airflow direction	Left to right
Extended slots (standard configuration)	4 x SIC
Number of service board slots	4
Redundant power supply	Support double power supply (1:1 backup)
PoE	Not supported
Noise at normal temperature (acoustic power) [dB(A)]	49.9 dB(A)
Long-term operating temperature [°C(°F)]	0°C to 45°C (32°F to 113°F) NOTE: When the altitude is 1800 m-5000 m (5906 ft.-16404.2 ft.), the highest operating temperature reduces by 1°C (1.8°F) every time the altitude increases by 220 m (722 ft.).
Storage temperature [°C(°F)]	-40°C to +70°C (-40°F to +158°F)
Long-term operating relative humidity [RH]	5% to 95%, noncondensing
Long-term operating altitude [m(ft.)]	< 5000 m (16404.2 ft.)