




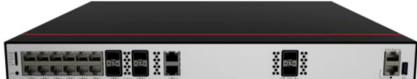



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NetEngine AR6710-G Series Enterprise Router

Datasheet



Product Appearance	Description
 <p>NetEngine AR6710-L26T2X4-G</p>	<ul style="list-style-type: none"> Fixed WAN ports: 2*10GE optical, 2*GE electrical (all WAN ports can be switched to LAN port) Fixed LAN Interface: 24*GE electrical (all LAN ports can be switched to WAN ports) Overall Dimensions (H × W × D) : 44.4mm × 442.0mm × 420.0mm
 <p>NetEngine AR6710-L50T2X4-G</p>	<ul style="list-style-type: none"> Fixed WAN ports: 2*10GE optical, 2*GE electrical (all WAN ports can be switched to LAN port) Fixed LAN Interface: 48*GE electrical (all LAN ports can be switched to WAN ports) Overall Dimensions (H × W × D) : 44.4mm × 442.0mm × 420.0mm
 <p>NetEngine AR6710-L8T3TS1X2-G</p>	<ul style="list-style-type: none"> Fixed WAN ports: 2 × GE Combo, 1 × 10GE optical (All WAN ports can be switched to LAN ports) Fixed LAN Interface: 1*GE Combo, 8*GE electrical (can be switched to WAN port) Overall Dimensions (H × W × D) : 44.4mm × 442mm × 220.4mm
 <p>NetEngine AR6710-L14T2X4-G</p>	<ul style="list-style-type: none"> Fixed WAN ports: 2*GE electrical, 2*10GE optical (All WAN ports can be switched to LAN port) Fixed LAN Interface: 4*GE Combo, 8*GE electrical (can be switched to WAN port) Overall Dimensions (H × W × D) : 43.9mm × 442mm × 420.0mm
 <p>NetEngine AR6710-H4T4X2Y7-G</p>	<ul style="list-style-type: none"> Fixed WAN ports: 2*25GE optical, 4*10GE optical, 4*GE electrical (all WAN port can be switched to LAN) Overall Dimensions (H × W × D) : 43.9mm × 442mm × 420.0mm

* Note: All models of 10GE light can be compatible with GE light, 25GE light is compatible with 10GE light;

■ ■ Product Overview

The NetEngine AR6710-G series router is a new generation router, it is based on the ARM architecture multi-core processor and non-blocking switching architecture, mainly used in SD-WAN solution scenarios, to meet the needs of enterprise business diversification and cloud trend for high performance network equipment.

■ Technical Specification

Specification	NetEngine AR6710-L26T2X4-G	NetEngine AR6710-L50T2X4-G	NetEngine AR6710-L8T3TS1X2-G	NetEngine AR6710-L14T2X4-G	NetEngine AR6710-H4T4X2Y7-G
System Parameters					
Forwarding Performance	3M	3M	3M	3M	10Mpps
Machine Exchange Capacity	172Gbps	220Gbps	40Gbps	80Gbps	240Gbps
Forwarding Performance (LAN -> WAN + WAN -> LAN, NAT + ACL + QoS, IMIX, Default)	2Gbps	2Gbps	2Gbps	4Gbps	13Gbps
IPsec Performance (IMIX)	1.6Gbps	1.6Gbps	1.6Gbps	2.5Gbps	10Gbps
IPsec Performance (1420 bytes)	5Gbps	5Gbps	5Gbps	6.5Gbps	28Gbps
SD-WAN Performance (IMIX)*	1.5Gbps	1.5Gbps	1.5Gbps	3Gbps	11Gbps
SD-WAN Performance (1400 Bytes)*	4.5Gbps	4.5Gbps	4.5Gbps	10Gbps	30Gbps
Fixed WAN Interface	2*10GE optical, 2*GE electrical		2*GE Combo, 1*10GE optical (compatible with GE optical)	2*GE electrical, 2*10GE optical (compatible with GE optical)	2*25GE optical (compatible with 10GE optical), 4*10GE optical (compatible with GE optical), 4*GE electrical (all WAN ports can be switched to LAN)
Fixed LAN Interface	24*GE electricity	48*GE electricity	1*GE Combo, 8*GE electrical (can be switched to WAN port)	4*GE Combo, 8*GE electrical (can be switched to WAN port)	
SIC Slot	4		2	4	6
WSIC Slot (default/Max. **)	0/2		0/1	0/2	1/4
Serial Auxiliary/Console Ports	1*RJ45 Console port				
USB Port	1*USB		2*USB	1*USB	1*USB
Memory	4GB		4GB	4GB	8GB
Flash	2GB		2GB	2GB	8GB
Hot Swappable	Support		Support	Support	support
Size and Weight					
Without External Dimensions (H × W × D)	44.4mm × 442mm × 420mm		44.4mm × 442.0mm × 220.4mm	43.9mm × 442mm × 420mm	43.9mm × 442mm × 420mm
With Exterior Dimensions (H × W × D)	44.4mm × 442mm × 470mm		44.4mm × 442mm × 225.2mm	43.9mm × 442mm × 470mm	43.9mm × 442mm × 470mm
Shipping Box Dimensions (H × W × D)	175mm × 550mm × 650mm		390mm × 570mm × 390mm	175mm × 550mm × 650mm	175mm × 550mm × 650mm
Mountable Rack	IEC		IEC	IEC	IEC
Occupied Rack Height	1U		1U	1U	1U



Specification	NetEngine AR6710-L26T2X4-G	NetEngine AR6710-L50T2X4-G	NetEngine AR6710-L8T3TS1X2-G	NetEngine AR6710-L14T2X4-G	NetEngine AR6710-H4T4X2Y7-G
Power Supply Specifications, Power Consumption and Heat Dissipation					
Rated Input Voltage (AC)	100V to 240V	100V to 240V	100V to 240V	100V to 240V	100V to 240V
Rated Input Frequency (AC)	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Maximum Input Voltage Range(AC)	90V to 264V	90V to 264V	90V to 264V	90V to 264V	90V to 264V
Maximum Input Current (AC)	5.5A	5.5A	2A	5.5A	5A
Power Redundancy	Dual power supplies, hot swappable	Dual power, hot swap	NA	Dual power supply, not pluggable	Dual power supply, hot swappable
Fan	Built-in fan, not pluggable	Built-in fan, not pluggable	Built-in fan, not pluggable	Built-in fan, not pluggable	Dual fan, pluggable
Air Duct	Cold air in left, hot air out right	Cold air in left, hot air out right	Cold air in left, hot air out right	Cold air in left, hot air out right	Cold air in left, hot air out right
Noise Level	57.2dB	57.6dB	49.6dB	57.2dB	66.1dB
Environmental Parameters					
Operating Environment Temperature	0°C to 45°C				
Working Environment Humidity	5% to 95% (no condensation)				

* Note: The SD-WAN forwarding performance model is: EVPN + IPSEC, and the performance data is the sum of bidirectional flows;

** Note: The maximum number of slots includes the number of slots synthesized by other slots.

Full Range of NetEngine AR-G Models

Model	NetEngine AR-G Series (Headquarters/Large)
NetEngine AR8140-12G10XG-G	AR8140-12G10XG-G, 10*10GE(SFP+), 8*GE Combo, 4*GE Copper, 1*USB3.0, 4*SIC-(without power module)
NetEngine AR6710-H4T4X2Y7-G	AR6710-H4T4X2Y7-G Service routing unit (SRU-700S), 2*25GE SFP28, 4*10GE SFP+, 4*GE RJ45, 1*USB3.0
NetEngine AR6300-G	AR6300-G Chassis, 2*SRU slot, 4*SIC Slot, 2*WSIC Slot, 4*XSIC Slot, 2*POWER slot
NetEngine AR6280-G	AR6280-G Chassis, 1*SRU slot, 4*SIC Slot, 2*WSIC Slot, 2*XSIC Slot, 2*POWER slot
NetEngine AR8700-G	AR8700-G Service processingUnit (SPU-700H), 1*40GE QSFP+, 8*10GE SFP+, 8*GE Combo
Model	NetEngine AR-G Series (Small and Medium Branches)
NetEngine AR6710-L14T2X4-G	AR6710-L14T2X4-G, 2*10GE SFP+ WAN, 2*GE electrical WAN, 4*GE Combo LAN, 8*GE electrical LAN, 1*USB2.0
NetEngine AR6710-L8T3TS1X2-G	AR6710-L8T3TS1X2-G, 2*GE combo WAN, 1*10GE(SFP+) WAN, 8*GE LAN, 1*GE combo LAN, 2*USB 2.0, 2*SIC
NetEngine AR6710-L50T2X4-G	AR6710-L50T2X4-G AC host, 50*GE RJ45, 2*10GE(SFP+), 1*USB 2.0, 4*SIC
NetEngine AR6710-L26T2X4-G	AR6710-L26T2X4-G AC host, 26*GE RJ45, 2*10GE(SFP+), 1*USB 2.0, 4*SIC
NetEngine AR6140E-9G-2AC-G	AR6140E-9G-2AC-G AC host, 5*GE RJ45, 4*GE SFP, 1*USB 2.0, 4*SIC
NetEngine AR6121E-G	AR6121E-G, 2*GE combo WAN, 1*10GE(SFP+) WAN, 8*GE LAN, 1*GE combo LAN, 2*USB 2.0, 2*SIC



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