

Feature



Performance

*1. Firewall throughput measured with App-ID and User-ID features enabled utilizing 64KB HTTP transactions 2.

Threat prevention throughput measured with App-ID, User-ID, IPS, antivirus and anti-spyware features enabled

utilizing 64KB HTTP transactions 3. New sessions per second measured with 4KB HTTP transactions Additionally,

for VM models please refer to hypervisor, cloud specific data sheet for associated performance.

App-ID firewall throughput	18 Gbps
Threat prevention throughput	9 Gbps
IPSec VPN throughput	8 Gbps
Connections per second	171,000

Sessions

Max sessions (IPv4 or IPv6)	4,000,000
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Policies

Security rules	20,000
Security rule schedules	256
NAT rules	6,000
Decryption rules	2,000
App override rules	2,000
Tunnel content inspection rules	2,000
Policy based forwarding rules	2,000
Captive portal rules	8,000
DoS protection rules	1,000

Security Zones

Max security zones	2,500
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Objects (addresses and services)

Address objects	40,000
Address groups	4,000
Members per address group	2,500

Service objects	2,000
Service groups	250
Members per service group	500
FQDN address objects	6,144
Max IP addresses registered per system	100,000
<i>*Applies to IP addresses registered to dynamic address groups</i>	
Tags per IP address	32

Security Profiles

Security profiles	750
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App-ID

Custom App-ID signatures	6,000
Shared custom App-IDs	512
Custom App-IDs (virtual system specific)	6,416

User-ID

User-IP mappings (management plane)	512,000
User-IP mappings (data plane)	512,000
Active and unique groups used in policy	10,000
Number of agents	100
Monitored servers per agent	100
Maximum terminal services agents	1,000

SSL Decryption

Max SSL inbound certificates	600
SSL certificate cache (forward proxy)	16,000
Max concurrent decryption sessions	400,000
SSL Port Mirror	Yes
SSL Decryption Broker	Yes
HSM Supported	Yes

URL Filtering

Total entries for allow list, block list and custom categories	100,000
Max custom categories	2,849
Max custom categories (virtual system specific)	500
Dataplane cache size for URL filtering	100,000
Management plane dynamic cache size	1,000,000

Interfaces

Mgmt - out-of-band	10/100/1000, RJ45 console
Mgmt - 10/100/1000 high availability	NA
Mgmt - 40Gbps high availability	1
Mgmt - 10Gbps high availability	NA
Traffic - 10/100/1000	NA
Traffic - 100/1000/10000	4
Traffic - 1Gbps SFP	0/16
Traffic - 10Gbps SFP+	0/16
Traffic - 10Gbps XFP	NA
Traffic - 40Gbps QSFP	4X40
802.1q tags per device	4,094
802.1q tags per physical interface	4,094
Max interfaces (logical and physical)	4,096
Maximum aggregate interfaces	8

Virtual Routers

Virtual routers	20
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Virtual Wires

Virtual wires	2,048
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Virtual Systems

Base virtual systems	10
Max virtual systems <i>*Additional licenses are required for virtual system capacities above the base virtual systems capacity</i>	20

Routing

IPv4 forwarding table size <i>*Entries shared across virtual routers</i>	100,000
IPv6 forwarding table size <i>*Entries shared across virtual routers</i>	100,000
System total forwarding table size	200,000
Max route maps per virtual router	50
Max routing peers (protocol dependent)	1,000
Static entries - DNS proxy	1,024
Bidirectional Forwarding Detection (BFD) Sessions	1,024

L2 Forwarding

ARP table size per device	128,000
IPv6 neighbor table size	128,000
MAC table size per device	128,000
Max ARP entries per broadcast domain	128,000
Max MAC entries per broadcast domain	128,000

NAT

Total NAT rule capacity	6,000
Max NAT rules (static) <i>*Configuring static NAT rules to full capacity requires that no other NAT rule types are used.</i>	6,000
Max NAT rules (DIP) <i>*Configuring DIP NAT rules to full capacity requires that no other NAT rule types are used.</i>	4,000
Max NAT rules (DIPP)	4,000
Max translated IPs (DIP)	64,000
Max translated IPs (DIPP) <i>*DIPP translated IP capacity is proportional to the DIPP pool oversubscription value. The capacity shown here is based on an oversubscription value of 1x.</i>	4,000
Default DIPP pool oversubscription <i>*Source IP and source port reuse across concurrent sessions</i>	8

Address Assignment

DHCP servers	500
DHCP relays <i>*Maximum capacity represents total DHCP servers and DHCP relays combined</i>	2,048
Max number of assigned addresses	64,000

High Availability

Devices supported	2
Max virtual addresses	4,096

QoS

Number of QoS policies	4,000
Physical interfaces supporting QoS	12
Clear text nodes per physical interface	63
DSCP marking by policy	Yes
Subinterfaces supported	2,048

IPSec VPN

Site to site	10,000
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Max IKE Peers	3,000
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GlobalProtect Client VPN

Max tunnels (SSL, IPSec, and IKE with XAUTH)	15,000
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GlobalProtect Clientless VPN

Max SSL tunnels	2,500
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Multicast

Replication (egress interfaces)	1,000
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Routes	4,000
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Product Notes

End-of-sale	NA
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