

Feature	PA-3060 	PA-3050 	PA-3020 
<h2>Performance</h2>			
<i>*Performance and capacities are measured under ideal testing conditions using PAN-OS 7.1</i>			
App-ID firewall throughput	4 Gbps	4 Gbps	2 Gbps
Threat prevention throughput	2 Gbps	2 Gbps	1 Gbps
IPSec VPN throughput	500 Mbps	500 Mbps	500 Mbps
Connections per second	50,000	50,000	50,000
<h2>Sessions</h2>			
Max sessions (IPv4 or IPv6)	500,000	500,000	250,000
<h2>Policies</h2>			
Security rules	5,000	5,000	2,500
Security rule schedules	256	256	256
NAT rules	5,000	5,000	3,000
Decryption rules	500	500	250
App override rules	500	500	250
QoS rules	1,000	1,000	1,000
Policy based forwarding rules	500	500	500
Captive portal rules	1,000	1,000	1,000
DoS protection rules	1,000	1,000	1,000
<h2>Security Zones</h2>			
Max security zones	40	40	40
<h2>Objects (addresses and services)</h2>			
Address objects	10,000	10,000	5,000
Address groups	1,000	1,000	500
Members per address group	2,500	2,500	2,500
Service objects	1,000	1,000	1,000
Service groups	250	250	250
Members per service group	500	500	500
FQDN address objects	1,000	1,000	1,000
Max IP addresses registered per system	5,000	5,000	5,000

<i>*Applies to IP addresses registered to dynamic address groups</i>			
Tags per IP address	32	32	32
Security Profiles			
Security profiles	375	375	150
App-ID			
Custom App-ID signatures	6,000	6,000	6,000
Shared custom App-ID signatures	512	512	512
Custom App-IDs (virtual system specific)	6,416	6,416	6,416
User-ID			
User-IP mappings (management plane)	512,000	512,000	512,000
User-IP mappings (data plane)	64,000	64,000	64,000
Active and unique groups used in policy	640	640	640
Number of agents	100	100	100
Monitored servers per agent	100	100	100
Maximum terminal services agents	400	400	400
SSL Decryption			
Max SSL inbound certificates	25	25	25
SSL certificate cache (forward proxy)	128	128	128
Max concurrent decryption sessions	15,360	15,360	7,936
URL Filtering			
Total entries for allow list, block list and custom categories	25,000	25,000	25,000
Max custom categories	2,849	2,849	2,849
Max custom categories (virtual system specific)	500	500	500
Dataplane cache size for URL filtering	20,000	20,000	20,000
Management plane dynamic cache size	1,000,000	1,000,000	1,000,000
Interfaces			
Mgmt - out-of-band	10/100/ 1000, RJ45 console	10/100/ 1000, RJ45 console	10/100/ 1000, RJ45 console
Mgmt - 10/100/1000 high availability	2	2	2
Mgmt - 40Gbps high availability	NA	NA	NA
Traffic - 10/100/1000	8	12	12

Traffic - 1Gbps SFP	8	8	8
Traffic - 10Gbps SFP+	2	NA	NA
Traffic - 10Gbps XFP	NA	NA	NA
Traffic - 40Gbps QSFP	NA	NA	NA
802.1q tags per device	4,094	4,094	4,094
802.1q tags per physical interface	4,094	4,094	4,094
Max interfaces (logical and physical)	2,048	2,048	1,024
Maximum aggregate interfaces	8	8	8

Virtual Routers

Virtual routers	10	10	10
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Virtual Wires

Virtual wires	1,024	1,024	512
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Virtual Systems

Base virtual systems	1	1	1
Max virtual systems	6	6	6
<i>*Additional licenses are required for virtual system capacities above the base virtual systems capacity</i>			

Routing

IPv4 forwarding table size <i>*Entries shared across virtual routers</i>	5,000	5,000	2,500
IPv6 forwarding table size <i>*Entries shared across virtual routers</i>	5,000	5,000	2,500
Max route maps per virtual router	50	50	50
Max routing peers (protocol dependent)	500	500	500
Static entries - DNS proxy	1,024	1,024	1,024

L2 Forwarding

ARP table size per device	10,000	5,000	3,000
IPv6 neighbor table size	10,000	5,000	3,000
MAC table size per device	5,000	5,000	3,000
Max ARP entries per broadcast domain	10,000	5,000	3,000
Max MAC entries per broadcast domain	5,000	5,000	3,000

NAT

Total NAT rule capacity	5,000	5,000	3,000
Max NAT rules (static)	5,000	5,000	3,000

<i>*Configuring static NAT rules to full capacity requires that no other NAT rule types are used.</i>			
Max NAT rules (DIP) <i>*Configuring DIP NAT rules to full capacity requires that no other NAT rule types are used.</i>	3,000	3,000	2,000
Max NAT rules (DIPP)	800	600	400
Max translated IPs (DIP)	128,000	128,000	128,000
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>	800	800	800
Default DIPP pool oversubscription <i>*Source IP and source port reuse across concurrent sessions</i>	2	2	2

Address Assignment

DHCP servers	10	10	10
Max number of assigned addresses	64,000	64,000	64,000

High Availability

Devices per cluster	2	2	2
Max virtual addresses	64	64	64

QoS

Number of QoS policies	1,000	1,000	1,000
Physical interfaces supporting QoS	6	6	6
Clear text nodes per physical interface	32	32	32
DSCP marking by policy	Yes	Yes	Yes
Subinterfaces supported	NA	NA	NA

IPSec VPN

Site to site	2,000	2,000	1,000
Max IKE Peers	1,000	1,000	1,000

GlobalProtect Client VPN

Max tunnels (SSL, IPSec, and IKE with XAUTH)	2,000	2,000	1,000
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Multicast

Replication (egress interfaces)	100	100	100
Routes	2,000	2,000	2,000

Product Notes

End-of-sale	NA	NA	NA
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