Feature	PA-3020	PA-500	PA-200

Performance

Performance and capacities are measured under ideal testing conditions using PAN-OS 7.1

	PA-3020	PA-500	PA-200
App-ID firewall throughput	2 Gbps	250 Mbps	100 Mbps
Threat prevention throughput	1 Gbps	100 Mbps	50 Mbps
IPSec VPN throughput	500 Mbps	50 Mbps	50 Mbps
Connections per second	50,000	7,500	1,000

Sessions

	PA-3020	PA-500	PA-200
Max sessions (IPv4 or IPv6)	250,000	64,000	64,000

Policies

	PA-3020	PA-500	PA-200
Security rules	2,500	1,000	250
Security rule schedules	256	256	256
NAT rules	3,000	160	160
Decryption rules	250	100	100
App override rules	250	100	100
QoS rules	1,000	100	100
Policy based forwarding rules	500	100	100
Captive portal rules	1,000	100	10
DoS protection rules	1,000	100	100

Security Zones

	PA-3020	PA-500	PA-200
Max security zones	40	20	10

Objects (addresses and services)

	PA-3020	PA-500	PA-200
Address objects	5,000	2,500	2,500
Address groups	500	250	125
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	1,000	1,000

*Applies to IP addresses registered to dynamic address groups			
Tags per IP address	32	32	32

Security Profiles

Security profiles	150	75	75

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	7,936	1,024	1,024

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	10,000	5,000
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	NA	NA
Mgmt - 40Gbps high availability	NA	NA	NA
Traffic - 10/100/1000	12	8	4

Traffic - 1Gbps SFP	8	NA	NA
Traffic - 10Gbps SFP+	NA	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)	1,024	288	100
Maximum aggregate interfaces	8	4	NA

Virtual Routers

Virtual routers	10	3	3

Virtual Wires

Virtual wires	512	144	50

Virtual Systems

Base virtual systems	1	1	1
Max virtual systems *Additional licenses are required for virtual system capacities above the base virtual systems capacity*	6	NA	NA

Routing

IPv4 forwarding table size *Entries shared across virtual routers*	2,500	625	500
IPv6 forwarding table size *Entries shared across virtual routers*	2,500	625	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	3,000	2,000	500
IPv6 neighbor table size	3,000	2,000	500
MAC table size per device	3,000	2,000	500
Max ARP entries per broadcast domain	3,000	2,000	500
Max MAC entries per broadcast domain	3,000	2,000	500

NAT

Total NAT rule capacity	3,000	160	160
Max NAT rules (static)	3,000	160	160

*Configuring static NAT rules to full capacity requires that no other NAT rule types are used.			
Max NAT rules (DIP) *Configuring DIP NAT rules to full capacity requires that no other NAT rule types are used.	2,000	160	160
Max NAT rules (DIPP)	400	160	160
Max translated IPs (DIP)	128,000	16,000	16,000
Max translated IPs (DIPP) *DIPP translated IP capacity is proportional to the DIPP pool oversubscription value. The capacity shown here is based on an oversubscription value of 1x.	800	160	160
Default DIPP pool oversubscription *Source IP and source port reuse across concurrent sessions	2	1	1

Address Assignment

DHCP servers	10	3	3
Max number of assigned addresses	64,000	64,000	64,000

High Availability

Devices per cluster	2	2	2
Max virtual addresses	64	32	NA

QoS

Number of QoS policies	1,000	100	100
Physical interfaces supporting QoS	6	6	4
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	1,000	250	25
Max IKE Peers	1,000	250	25

GlobalProtect Client VPN

Max tunnels (SSL, IPSec, and IKE with XAUTH)	1,000	100	25

Multicast

Replication (egress interfaces)	100	100	100
Routes	2,000	1,000	500

Product Notes

| End-of-sale | NA | NA | NA |