Platform Specifications and Features Summary



Performance and Capacities ¹	PA-7080 System⁴	PA-7050 System ^₄	PA-5060	PA-5050	PA-5020
Firewall throughput (App-ID enabled)	200 Gbps	120 Gbps	20 Gbps	10 Gbps	5 Gbps
Threat prevention throughput	100 Gbps	60 Gbps	10 Gbps	5 Gbps	2 Gbps
IPSec VPN throughput	80 Gbps	48 Gbps	4 Gbps	4 Gbps	2 Gbps
New sessions per second	1,200,000	720,000	120,000	120,000	120,000
Max sessions ²	40,000,000/80,000,000	24,000,000/48,000,000	4,000,000	2,000,000	1,000,000
Virtual systems (base/max ³)	25/225	25/225	25/225	25/125	10/20
Hardware Specifications	PA-7080 System⁴	PA-7050 System⁴	PA-5060	PA-5050	PA-5020
Interfaces supported NPC option 14	Up to (20) QSFP+, (120) SFP+	Up to (12) QSFP+, (72) SFP+	(12) 10/100/1000, (8) SFP, (4) 10 SFP+		(12) 10/100/1000,
Interfaces supported NPC option 24	Up to (120) 10/100/1000, (80) SFP, (40) SFP+	Up to (72) 10/100/1000, (48) SFP, (24) SFP+			(8) SFP
Management I/O	(2) 10/100/1000, (2) QSFP+ high availability, (1) 10/100/1000 out-of-band management, (1) RJ45 console		(2) 10/100/1000 high a manag	availability, (1) 10/100 ement, (1) RJ45 cons	
Rack mountable?	19U, 19" standard rack	9U, 19" standard rack <u>or</u> 14U, 19" standard rack with optional Airduct kit			
Power supply	4x2500W AC (2400W / 2700) expandable to 8	4x2500W AC (2400W / 2700W)	Redundant 450W AC or DC		2
Redundant power supply?	Yes		Yes		
Disk drives	2TB RAID1		120GB or 240GB SSD, RAID Optional		
Hot swap fans	Yes		Yes		

Performance and Capacities ¹	PA-3060	PA-3050	PA-3020	PA-500	PA-200
Firewall throughput (App-ID enabled)	4 Gbps	4 Gbps	2 Gbps	250 Mbps	100 Mbps
Threat prevention throughput	2 Gbps	2 Gbps	1 Gbps	100 Mbps	50 Mbps
IPSec VPN throughput	500 Mbps	500 Mbps	500 Mbps	50 Mbps	50 Mbps
New sessions per second	50,000	50,000	50,000	7,500	1,000
Max sessions	500,000	500,000	250,000	64,000	64,000
Virtual systems (base/max ²)	1/6	1/6	1/6	N/A	N/A
Hardware Specifications	PA-3060	PA-3050	PA-3020	PA-500	PA-200
Interfaces supported ³	(8) 10/100/1000, (8) SFP, (2) 10 SFP+	(12) 10/100/1000, (8) SFP (8) 10/100/1000 (4) 1		(4) 10/100/1000	
Management I/O	(1) 10/100/1000 out-of-band management,(2) 10	0/100/1000 high availability, (1) RJ-45 console		(1) 10/100/1000 out-of-band management, (1) RJ-45 console port	
Rack mountable?	1.5U, 19" standard rack	1U, 19	" standard rack	1U, 19" standard rack	1.75" H x 7"D x 9.25"
Power supply	Redundant 400W AC		250W AC	180W	40W
Redundant power supply?	Yes		No	No	No
Disk drives	120GB SSD		160GB	16GB SSD	
Hot swap fans	No			No	No

Performance and Capacities ⁵	VM-1000-HV	VM-300	VM-200	VM-100		
Firewall throughput (App-ID enabled)	1 Gbps 1 Gbps					
Threat prevention throughput	600 Mbps 600 Mbps					
IPSec VPN throughput	250 Mbps 250 Mbps					
New sessions per second	8,000		8,000			
Max sessions	250,000	250,000	100,000	50,000		
Virtualization Specifications	VM-1000-HV	VM-300	VM-200	VM-100		
HyperVisor Network drivers	 VMware ESXi 5.5/6.0, NSX Manager 6.0/6.1/6.2 (Required for NSX integrated solution) VMware ESXi 5.1/5.5/6.0 (Stand alone) KVM on CentOS/RHEL 6.5 and Ubuntu 12.04 LTS Citrix Xen Server on SDX 10.1 Amazon AWS Microsoft Azure with Azure Resource Manager (ARM) VMware ESXi: VMXNet 3 Citrix Net Scaler SDX: lgbvf version 2.0.4, lxgbevf version 2.7.12 			untu 12.04 LTS e Manager (ARM)		
	 KVM: virtIO, e1000, SR-IOV and PCI passthrough for Intel 82576 based 1G NIC, Intel 82599 based 10G NIC, Broadcom 57112 and 578xx based 10G NIC Amazon Web Services: proprietary; SR-IOV Enhanced Networking (ixgbevf) on supported instance types Microsoft Azure and Hyper-V: proprietary 					
Dedicated CPU cores	2, 4 or 8					
Dedicated Memory (Minimum)	4GB					
Dedicated Disk drive capacity (Min/Max)	40GB/2TB					

(1) Performance and capacities are measured under ideal testing conditions with App-ID enabled and PAN-OS 7.1. (2) Max session capacity for NPCs with standard memory/extended memory (XM). (3) Adding virtual systems to the base quantity requires a separately purchased license. (4) QSFP, SFP+ and XFP transceivers are sold separately. PAN-OS 7.1 is required for NPC Option 1-XM and Option 2-XM. (5) VM-Series performance and capacities are measured under ideal testing conditions with App-ID enabled and PAN-OS 7.1 is required for NPC Option 1-XM and Option 2-XM. (5) VM-Series performance and capacities are measured under ideal testing conditions with App-ID enabled and PAN-OS 7.1 is required for NPC Option 1-XM and Option 2-XM. (5) VM-Series performance and capacities are measured under ideal testing conditions with App-ID enabled and PAN-OS 7.1 using 4 CPU cores.

March 2016 (PAN-OS 7.1)

Specifications and features summary is for comparison only – please refer to the respective specsheets as the source of the most up-to-date information.



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	Shared policies and objects (Panorama)			✓	
Shared policies and objects (Panorama)		Role-based administration (Individual Device or Panorama)			
	Role-based administration (Individual Device or Paporama)		Role-based administration (Individual Device or Panorama)	√	

March 2016 (PAN-OS 7.1) Specifications and features summary is for comparison only – please refer to the respective specsheets as the source of the most up-to-date information.