



Platform Specifications and Features Summary

| Performance and Capacities ¹ | PA-7080 System ² | PA-7050 System ² | PA-5260 | PA-5250 | PA-5220 |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------------------|-----------|----------------------------------------------------------|
| Firewall throughput (App-ID) | 200 Gbps | 120 Gbps | 72.2 Gbps | 35.9 Gbps | 18.5 Gbps |
| Threat prevention throughput | 100 Gbps | 60 Gbps | 30 Gbps | 20.3 Gbps | 9.2 Gbps |
| IPSec VPN throughput | 80 Gbps | 48 Gbps | 21 Gbps | 14 Gbps | 5 Gbps |
| New sessions per second | 1,200,000 | 720,000 | 458,000 | 348,000 | 169,000 |
| Max sessions | 40,000,000/80,000,000 ³ | 24,000,000/48,000,000 ³ | 32,000,000 | 8,000,000 | 4,000,000 |
| Virtual systems (base/max ²) | 25/225 | 25/225 | 25/225 | 25/125 | 10/20 |
| Hardware Specifications | PA-7080 System | PA-7050 System | PA-5260 | PA-5250 | PA-5220 |
| Interfaces supported NPC option 1 ⁴ | Up to (20) QSFP+, (120) SFP+ | Up to (12) QSFP+, (72) SFP+ | (4) 100/1000/10G Cu, (16) 1G/10G SFP/SFP+, (4) 40G/100G QSFP28 | | (4) 100/1000/10G Cu, (16) 1G/10G SFP/SFP+, (4) 40G QSFP+ |
| Interfaces supported NPC option 2 ⁴ | Up to (120) 10/100/1000, (80) SFP, (40) SFP+ | Up to (72) 10/100/1000, (48) SFP, (24) SFP+ | (2) 10/100/1000 Cu, (1) 10/100/1000 out-of-band management, (1) RJ45 console | | (1) RJ45 console |
| Management I/O | (2) 10/100/1000, (2) QSFP+ high availability, (1) 10/100/1000 out-of-band management, (1) RJ45 console | | (1) 40G/100G QSFP28 HA | | (1) 40G QSFP+ HA |
| Rack mountable? | 19U, 19" standard rack | 9U, 19" standard rack or 14U, 19" standard rack with optional Airduct kit | 3U, 19" standard rack | | |
| Power supply | 4x2500W AC (2400W / 2700) expandable to 8 | 4x2500W AC (2400W / 2700W) | 2x1200W AC or DC (1:1 Fully Redundant) | | |
| Redundant power supply? | Yes | | Yes | | |
| Disk drives | 2TB RAID1 | | System: 240GB SSD, RAID1. Log: 2TB HDD, RAID1 | | |
| Hot swap fans | Yes | | Yes | | |

| Performance and Capacities ¹ | PA-5060 | PA-5050 | PA-5020 | PA-3060 | PA-3050 | PA-3020 |
|------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------|---------------------------------------|----------------------------------------------------------------------------------------------|-----------------------|----------|
| Firewall throughput (App-ID) | 20 Gbps | 10 Gbps | 5 Gbps | 4 Gbps | 4 Gbps | 2 Gbps |
| Threat prevention throughput | 10 Gbps | 5 Gbps | 2 Gbps | 2 Gbps | 2 Gbps | 1 Gbps |
| IPSec VPN throughput | 4 Gbps | 4 Gbps | 2 Gbps | 500 Mbps | 500 Mbps | 500 Mbps |
| New sessions per second | 120,000 | 120,000 | 120,000 | 50,000 | 50,000 | 50,000 |
| Max sessions | 4,000,000 | 2,000,000 | 1,000,000 | 500,000 | 500,000 | 250,000 |
| Virtual systems (base/max ²) | 25/225 | 25/125 | 10/20 | 1/6 | 1/6 | 1/6 |
| Hardware Specifications | PA-5060 | PA-5050 | PA-5020 | PA-3060 | PA-3050 | PA-3020 |
| Interfaces supported ⁴ | (12) 10/100/1000, (8) SFP, (4) 10 SFP+ | (12) 10/100/1000, (8) SFP | (8) 10/100/1000, (8) SFP, (2) 10 SFP+ | (12) 10/100/1000, (8) SFP | | |
| Management I/O | (2) 10/100/1000 high availability, (1) 10/100/1000 out-of-band management, (1) RJ45 console | | | (1) 10/100/1000 out-of-band management, (2) 10/100/1000 high availability, (1) RJ-45 console | | |
| Rack mountable? | 2U, 19" standard rack | | | 1.5U, 19" standard rack | 1U, 19" standard rack | |
| Power supply | Redundant 450W AC or DC | | | Redundant 400W AC | 250W AC | |
| Redundant power supply? | Yes | | | Yes | No | |
| Disk drives | 120GB or 240GB SSD, RAID Optional | | | 120GB SSD | | |
| Hot swap fans | Yes | | | No | | |

| Performance and Capacities ¹ | PA-850 | PA-820 | PA-500 | PA-220 | PA-200 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| Firewall throughput (App-ID) | 1.9 Gbps | 940 Mbps | 250 Mbps | 500 Mbps | 100 Mbps |
| Threat prevention throughput | 780 Mbps | 610 Mbps | 100 Mbps | 150 Mbps | 50 Mbps |
| IPSec VPN throughput | 500 Mbps | 400 Mbps | 50 Mbps | 100 Mbps | 50 Mbps |
| New sessions per second | 9,500 | 8,300 | 7,500 | 4,200 | 1,000 |
| Max sessions | 192,000 | 128,000 | 64,000 | 64,000 | 64,000 |
| Virtual systems (base) | 1 | 1 | N/A | 1 | N/A |
| Hardware Specifications | PA-850 | PA-820 | PA-500 | PA-220 | PA-200 |
| Interfaces supported ⁴ | (4) 10/100/1000, (4/8) SFP, (0/4) 10 SFP+ | (4) 10/100/1000, (8) SFP | (8) 10/100/1000 | (8) 10/100/1000 | (4) 10/100/1000 |
| Management I/O | (1) 10/100/1000 out-of-band management, (2) 10/100/1000 high availability, (1) RJ-45 console, (1) USB, (1) Micro USB console | | (1) 10/100/1000 out-of-band management, (1) RJ-45 console | (1) 10/100/1000 out-of-band management, (1) RJ-45 console, (1) USB, (1) Micro USB console | (1) 10/100/1000 out-of-band management, (1) RJ-45 console |
| Rack mountable? | 1U, 19" standard rack | | 1U, 19" standard rack | 1.62"H X 6.29"D X 8.07"W | 1.75" H x 7"D x 9.25"W |
| Power supply | Two 500W AC. One is redundant. | | 200W | 180W | Dual redundant 40W |
| Redundant power supply? | Yes | | No | No | Yes (optional) |
| Disk drives | 240GB SSD | | 160GB | 32GB EMMC | 16GB SSD |
| Hot swap fans | No | | No | No | No |

Platform Specifications and Features Summary



| Performance and Capacities ¹ | VM-50 | VM-100/VM-200 | VM-300/VM-1000HV | VM-500 | VM-700 |
|-----------------------------------------|-------------------------|---------------|------------------|--------------------------|----------|
| Firewall throughput (App-ID) | 200 Mbps | 2 Gbps | 4 Gbps | 8 Gbps | 16 Gbps |
| Threat prevention throughput | 100 Mbps | 1 Gbps | 2 Gbps | 4 Gbps | 8 Gbps |
| IPSec VPN throughput | In Process ⁵ | | | | |
| New sessions per second ¹ | 3,000 | 15,000 | 30,000 | 60,000 | 120,000 |
| CPU Configurations Supported | 2 ⁶ | 2 | 2,4 | 2,4,8 | 2,4,8,16 |
| Dedicated Memory (Minimum) | 4.5GB | 6.5GB | 9GB | 16GB | 56GB |
| Dedicated Disk drive capacity (Min) | 32GB ⁷ | 60GB | 60GB | 60GB | 60GB |
| Supported Environments | | | | | |
| VMware ESXi 5.1/5.5/6.0 (Standalone) | Yes | | | | |
| KVM on CentOS/RHEL and Ubuntu | Yes | | | | |
| NSX Manager 6.0/6.1/6.2 | No | Yes | | Yes | No |
| Citrix Xen Server on SDX 10.1 | | | | No | |
| Amazon AWS | | Y (BYOL Only) | | Y (BYOL and Marketplace) | |
| Microsoft Azure | | Y (BYOL Only) | | | |

(1) Performance and capacities are measured under ideal testing conditions with PAN-OS 8.0. For VM-Series, they may vary based on underlying virtualization infrastructure (hypervisor/cloud). Refer to the individual datasheets for detailed performance and testing information. (2) Adding virtual systems to the base quantity requires a separately purchased license. (3) Max session capacity for PA-7000 NPCs with standard memory/extended memory. (4) Optical/Copper transceivers are sold separately. (5) IPSec throughput will be published upon completion of the test suite. (6) CPU oversubscription supported with up to 5 instances running on a 2 CPU configuration. (7) 60GB required at initial boot. VM-Series will use 32GB after license activation.

| Key Features | Supported Across All Platforms |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| Firewall | |
| Applications identified (App-IDs) | 2,200+ |
| Customizable App-IDs | ✓ |
| Policy-based control by user, group or IP address, application, application category, subcategory, technology, risk factor or characteristic | ✓ |
| Per policy SSL decryption & inspection (inbound and outbound)/Per policy SSH control (inbound and outbound) | ✓ |
| User control: Active Directory, LDAP, eDirectory, Exchange, Citrix and Microsoft Terminal Services, XML API (User-ID) | ✓ |
| Threat Prevention (Subscription Required) | |
| Stream-based protection against viruses (including those embedded in HTML, JavaScript, PDF and compressed), spyware, worms | ✓ |
| Drive-by download protection and behavioral botnet protection | ✓ |
| Modern Malware Protection (WildFire Subscription Required) | |
| Dynamic analysis and detection of unknown malware within PE, PDF, Java, Android APK, Adobe Flash, all Microsoft Office file types and webpages. | ✓ |
| Automated signature generation and delivery for discovered malware, Inline control of malware infection and command/control traffic | ✓ |
| URL Filtering (Subscription Required) | |
| On-box customizable URL filtering database, Customizable categories, allow, block lists and block pages | ✓ |
| File and Data Filtering | |
| Bidirectional control over the unauthorized transfer of file types and Social Security Numbers, Credit Card Numbers, custom data patterns | ✓ |
| QoS | |
| Policy-based traffic shaping (priority, guaranteed, maximum) per application, per user, per tunnel and more | ✓ |
| VPN Connectivity | |
| GlobalProtect (IPSec/SSL VPN) | ✓ |
| IPSec VPN (Site-to-Site) | ✓ |
| Mobile Security (GlobalProtect Mobile Security Manager, Gateway & App subscription or licenses required) | |
| Monitor and report device state for policy enforcement, such as jailbroken devices; Manage device settings | ✓ |
| Deliver mobile threat prevention and policy enforcement based on apps, users, content, device and device state | ✓ |
| Networking | |
| Dynamic routing (BGP, OSPF, RIP), 802.1Q VLAN tagging (layer 2, layer 3), Multicast | ✓ |
| Tap mode, virtual wire, layer 2, and layer 3 | ✓ |
| Network address translation (NAT), DHCP server/ DHCP relay (up to 3 servers) | ✓ |
| IPv6 L2, L3, tap, virtual wire (transparent mode), App-ID, User-ID, Content-ID, WildFire and SSL decryption | ✓ |
| High Availability | |
| Active/Active, Active/Passive, Configuration and session synchronization | ✓ (PA-200 and VM-Series support HA Lite only) |
| Interface and IP tracking, Link and path failure monitoring | ✓ |
| Management and Visibility Tools | |
| Integrated web interface, CLI and centralized management (Panorama), Graphical summary of applications, URL categories, threats and data (ACC) | ✓ |
| View, filter, export traffic, threat, URL, and data filtering logs, Fully customizable reporting | ✓ |
| XML-based REST API | ✓ |