PA-5200 SERIES

Palo Alto Networks® PA-5200 Series of next-generation firewall appliances is comprised of the PA-5260, the PA-5250 and the PA-5220, which target at high-speed data center, internet gateway, and service provider deployments. The PA-5200 Series delivers up to 72 Gbps of throughput using dedicated processing and memory for the key functional areas of networking, security, threat prevention and management.

Key Security Features:

### Classifies all applications, on all ports, all the time

- Identifies the application, regardless of port, encryption (SSL or SSH), or evasive technique employed

- Uses the application, not the port, as the basis for all of your safe enablement policy decisions: allow, deny, schedule, inspect and apply traffic-shaping

- Categorizes unidentified applications for policy control, threat forensics or App-ID™ application identification technology development

Enforces security policies for any user, at any location

- Deploys consistent policies to local and remote users running on the Windows®, Mac® OS X®, Linux®, Android™ or Apple® iOS platforms

- Enables agentless integration with Microsoft® Active Directory® and Terminal Services, LDAP, Novell® eDirectory™ and Citrix®

- Easily integrates your firewall policies with 802.1X wireless, proxies, NAC solutions, and any other source of user identity information

Prevents known and unknown threats

- Blocks a range of known threats, including exploits, malware and spyware, across all ports, regardless of common threat-evasion tactics employed

- Limits the unauthorized transfer of files and sensitive data, and safely enables non-work-related web surfing

- Identifies unknown malware, analyzes it based on hundreds of malicious behaviors, and then automatically creates and delivers protection

PA-5260

PA-5220

PA-5250
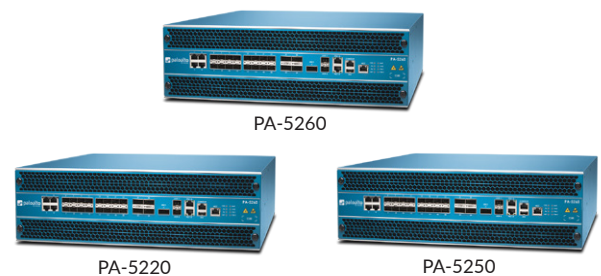
The controlling element of the PA-5200 Series is PAN-OS®, security operating system, which that natively classifies all traffic, inclusive of applications, threats and content, and then ties that traffic to the user, regardless of location or device type. The application, content and user – in other words, the business elements that run your business – are then used as the basis of your security policies, resulting in an improved security posture and a reduction in incident response time.

Performance and Capacities[1]	PA-5260	PA-5250	PA-5220
Firewall throughput[2] (App-ID enabled)	72.2 Gbps	35.9 Gbps	18.5 Gbps
Threat prevention throughput[3]	30 Gbps	20.3 Gbps	9.2 Gbps
IPsec VPN throughput	21 Gbps	14 Gbps	5 Gbps
Max sessions	32,000,000	8,000,000	4,000,000
New sessions per second[4]	458,000	348,000	169,000
Virtual systems (base/max[5])	25/225	25/125	10/20

1 Performance and capacities are measured under ideal testing conditions.
2 Firewall throughput measured with App-ID and User-ID features enabled utilizing 64K HTTP transactions
3 Threat prevention throughput measured with App-ID, User-ID, IPS, AntiVirus and Anti-Spyware features enabled utilizing 64K HTTP transactions
4. New sessions per second is measured with 4K HTTP transactions
5. Adding virtual systems base quantity requires a separately purchased license

Networking Features

Interface Modes

- L2, L3, Tap, Virtual wire (transparent mode)

- Point-to-point protocol over Ethernet (PPPoE) and DHCP supported for dynamic address assignment

Routing

- OSPFv2/v3 with graceful restart, BGP with graceful restart, RIP, Static routing

- Policy-based forwarding

- **Multicast:** PIM-SM, PIM-SSM, IGMP v1, v2, and v3

- Bidirectional Forwarding Detection (BFD)

IPv6

- L2, L3, Tap, Virtual Wire (transparent mode)

- Features: App-ID™, User-ID™, Content-ID™, WildFire™, and SSL decryption

- SLAAC

IPsec VPN

- **Key exchange:** Manual key, IKE v1 and IKEv2 (pre-shared key, certificate-based authentication)

- **Encryption:** 3DES, AES (128-bit, 192-bit, 256-bit)

- **Authentication:** MD5, SHA-1, SHA-256, SHA-384, SHA-512

- GlobalProtect™ large-scale VPN (LSVPN) for simplified configuration and management

VLANs

- 802.1q VLAN tags per device/per interface: 4,094/4,094

- Aggregate interfaces (802.3ad), LACP

Network Address Translation (NAT)

- **NAT modes (IPv4):** static IP, dynamic IP, dynamic IP and port (port address translation)

- NAT64, NPTv6

- **Additional NAT features:** Dynamic IP reservation, tunable dynamic IP and port oversubscription

High Availability

Modes: Active/Active, Active/Passive

Failure detection: Path monitoring, interface monitoring

To view additional information about the features and associated capacities of the PA-5200 Series, please visit www.paloaltonetworks.com/products.

Hardware Specifications

I/O

PA-5260 | PA-5250 - (4) 100/1000/10G Cu, (16) Gig/10Gig SFP/SFP+, (4) 40G/100G QSFP28
PA-5220 – (4)100/1000/10G Cu, (16) Gig/10Gig SFP/SFP+, (4) 40G QSFP+

Management I/O

PA-5260 | PA-5250 - (2) 10/100/1000, (1) 40G/100G QSFP28 HA, (1) 10/100/1000 out-of-band management, (1) RJ45 console port
PA-5220 - (2) 10/100/1000, (1) 40G QSFP+ HA, (1) 10/100/1000 out-of-band management, (1) RJ45 console port

Storage Options

Dual Solid State Disk Drives

Storage Capacity

240GB SSD, RAID1, System Storage
2TB HDD, RAID1, Log Storage

Power (Max Power Consumption)

870 Watts

Max BTU/hr

2,970

Power Supplies (base/max)

1:1 Fully Redundant (2/2)

AC Input Voltage (input Hz)

100-240VAC (50-60Hz)

AC Power Supply Output

1200 Watt/power supply

Max Current

AC power supplies — 6.5A@100-240VAC
DC power supplies — 19A@-40 to -60VDC

Max Inrush Current

AC power supplies — 50A@230VAC, 50A@120VAC
DC power supplies — 200A@72VDC

Mean Time Between Failure (MTBF)

9.23 Years

Rack Mount (Dimensions)

3U, 19" Standard Rack
5.25"H X 20.5"D X 17.25"W (13.33cm X 52.07cm X 43.81cm)

Weight

46lbs (20.87Kg) System only, 62lbs (28.13Kg) as shipped

Safety

cCSAus, CB IEC60950-1

EMI

FCC Class A, CE Class A, VCCI Class A

Certifications

See https://www.paloaltonetworks.com/company/certifications.html

Environment

Operating Temperature: 32°F to 122°F (0° to 50°C)
Non-Operating Temperature: -20° to 70°C (-4°F to 158°F)