

# PA-5200 SERIES

Palo Alto Networks® PA-5200 Series of next-generation firewall appliances comprises the PA-5280, PA-5260, PA-5250 and PA-5220, which are ideal for high-speed data center, internet gateway and service provider deployments. The PA-5200 Series delivers up to 68 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™ technology development.

### Enforces security policies for any user, at any location

- Deploys consistent policies to local and remote users running on the Windows®; Apple® Mac® OS X®, macOS® and iOS; Linux; and Android® 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-5200 Series

The controlling element of the PA-5200 Series is PAN-OS® security operating system, which 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 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	PA-5280	PA-5260	PA-5250	PA-5220
Firewall throughput <sup>1</sup> (App-ID enabled)	68 Gbps	68 Gbps	39 Gbps	18 Gbps
Threat Prevention throughput <sup>2</sup>	30 Gbps	30 Gbps	20 Gbps	9 Gbps
IPsec VPN throughput	24 Gbps	24 Gbps	16 Gbps	8 Gbps
Max sessions	64,000,000	32,000,000	8,000,000	4,000,000
New sessions per second <sup>3</sup>	462,000	462,000	348,000	171,000
Virtual systems (base/max <sup>4</sup> )	25/225	25/225	25/125	10/20

1. Firewall throughput measured with App-ID and logging enabled utilizing 64KB HTTP transactions
2. Threat Prevention throughput measured with App-ID, IPS, antivirus, anti-spyware, WildFire and logging enabled utilizing 64KB HTTP transactions
3. New sessions per second measured with application-override utilizing 1 byte HTTP transactions
4. Adding virtual systems over base quantity requires a separately purchased license

## Networking Features

<b>Interface Modes</b>
<ul style="list-style-type: none"><li>L2, L3, tap, virtual wire (transparent mode)</li></ul>
<b>Routing</b>
<ul style="list-style-type: none"><li>OSPFv2/v3 with graceful restart, BGP with graceful restart, RIP, Static routing</li><li>Policy-based forwarding</li><li>Point-to-point protocol over Ethernet (PPPoE) and DHCP supported for dynamic address assignment</li><li>Multicast: PIM-SM, PIM-SSM, IGMP v1, v2 and v3</li><li>Bidirectional Forwarding Detection (BFD)</li></ul>
<b>IPv6</b>
<ul style="list-style-type: none"><li>L2, L3, tap, virtual wire (transparent mode)</li><li>Features: App-ID, User-ID™, Content-ID™, WildFire® and SSL decryption</li><li>SLAAC</li></ul>
<b>IPsec VPN</b>
<ul style="list-style-type: none"><li>Key exchange: manual key, IKEv1 and IKEv2 (pre-shared key, certificate-based authentication)</li><li>Encryption: 3DES, AES (128-bit, 192-bit, 256-bit)</li><li>Authentication: MD5, SHA-1, SHA-256, SHA-384, SHA-512</li><li>GlobalProtect™ large-scale VPN (LSVPN) for simplified configuration and management</li></ul>
<b>VLANs</b>
<ul style="list-style-type: none"><li>802.1q VLAN tags per device/per interface: 4,094/4,094</li><li>Aggregate interfaces (802.3ad), LACP</li></ul>
<b>Network Address Translation</b>
<ul style="list-style-type: none"><li>NAT modes (IPv4): static IP, dynamic IP, dynamic IP and port (port address translation)</li><li>NAT64, NPTv6</li><li>Additional NAT features: dynamic IP reservation, tunable dynamic IP and port oversubscription</li></ul>
<b>High Availability</b>
Modes: active/active, active/passive
Failure detection: path monitoring, interface monitoring
<b>Mobile Network Infrastructure</b>
<ul style="list-style-type: none"><li>GTP Security</li><li>SCTP Security</li></ul>

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

## Hardware Specifications

<b>I/O</b>
PA-5280   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+
<b>Management I/O</b>
PA-5280   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
<b>Storage Capacity</b>
240GB SSD, RAID1, system storage
2TB HDD, RAID1, log storage
<b>Power Supply (Avg/Max Power Consumption)</b>
571/685 Watts
<b>Max BTU/hr</b>
2,340
<b>Power Supplies (Base/Max)</b>
1:1 fully redundant (2/2)
<b>AC Input Voltage (input Hz)</b>
100-240VAC (50-60Hz)
<b>AC Power Supply Output</b>
1,200 Watts/power supply
<b>Max Current</b>
AC power supplies – 8.5A@100VAC, 3.6A@240VAC
DC power supplies – 19A@-40VDC, 12.7A@-60VDC
<b>Max Inrush Current</b>
AC power supplies – 50A@230VAC, 50A@120VAC
DC power supplies – 200A@72VDC
<b>Mean Time Between Failure (MTBF)</b>
9.23 years
<b>Rack Mount (Dimensions)</b>
3U, 19" standard rack
5.25" H x 20.5" D x 17.25" W (13.33cm x 52.07cm x 43.81cm)
<b>Weight (Stand-Alone Device/As Shipped)</b>
46 lbs (20.87 kg)/62 lbs (28.13 kg)
<b>Safety</b>
cCSAus, CB IEC 60950-1
<b>EMI</b>
FCC Class A, CE Class A, VCCI Class A
<b>Certifications</b>
See <a href="https://www.paloaltonetworks.com/company/certifications.html">https://www.paloaltonetworks.com/company/certifications.html</a>
<b>Environment</b>
Operating Temperature: 32° to 122° F, 0° to 50° C
Non-Operating Temperature: -4° to 158° F, -20° to 70° C



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