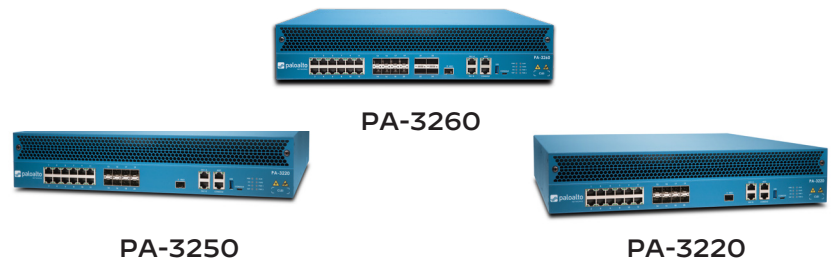


PA-3200 Series

Palo Alto Networks PA-3200 Series ML-Powered NGFWs—comprising the PA-3260, PA-3250, and PA-3220—target high-speed internet gateway deployments. PA-3200 Series appliances secure all traffic, including encrypted traffic, using dedicated processing and memory for networking, security, threat prevention, and management.



The controlling element of the PA-3200 Series ML-Powered Next-Generation Firewalls (NGFW) is PAN-OS®, 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—then serve as the basis of your security policies, resulting in improved security posture and reduced incident response time.

Key Security and Connectivity Features

Classifies all applications, on all ports, all the time

- Identifies the application, regardless of port, SSL/SSH encryption, or evasive technique employed.
- Uses the application, not the port, as the basis for all 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.
- Provides full visibility into the details of all TLS-encrypted connections and stops threats hidden in encrypted traffic, including traffic that uses TLS 1.3 and HTTP/2 protocols.

Enforces security policies for any user, anywhere

- Deploys consistent policies to local and remote users running on Windows®, macOS®, 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, network access control, and any other source of user identity information.

Extends native protection across all attack vectors with cloud-delivered security subscriptions

- **Threat Prevention**—inspects all traffic to automatically block known vulnerabilities, malware, vulnerability exploits, spyware, command and control (C2), and custom intrusion prevention system (IPS) signatures.
- **WildFire® malware prevention**—protects against unknown file-based threats, automatically delivering protections in seconds or less for most new threats across networks, endpoints, and clouds.
- **URL Filtering**—prevents access to malicious sites and protects users against web-based threats.
- **DNS Security**—detects and blocks known and unknown threats over DNS while predictive analytics disrupt attacks using DNS for C2 or data theft.
- **IoT Security**—discovers all unmanaged devices in your network, identifies risks and vulnerabilities, and automates enforcement policies for your ML-Powered NGFW using a new Device-ID™ policy construct.

Table 1: PA-3200 Series Performance and Capacities¹

	PA-3260	PA-3250	PA-3220
Firewall throughput (HTTP/appmix) ²	7.9/10 Gbps	5.3/6.6 Gbps	4.3/5.0 Gbps
Threat Prevention throughput (HTTP/appmix) ³	3.6/4.4 Gbps	2.4/3.0 Gbps	2.0/2.4 Gbps
IPsec VPN throughput ⁴	4.8 Gbps	3.2 Gbps	2.7 Gbps
Max sessions	3M	2M	1M
New sessions per second ⁵	114,000	82,000	57,000
Virtual systems (base/max) ⁶	1/6	1/6	1/6

1. Results were measured on PAN-OS 9.1.
 2. Firewall throughput is measured with App-ID and logging enabled, utilizing 64 KB HTTP/appmix transactions.
 3. Threat Prevention throughput is measured with App-ID, IPS, antivirus, anti-spyware, WildFire, file blocking, and logging enabled, utilizing 64 KB HTTP/appmix transactions.
 4. IPsec VPN throughput is measured with 64 KB HTTP transactions and logging enabled.
 5. New sessions per second is measured with application-override, utilizing 1 byte HTTP transactions.
 6. Adding virtual systems over base quantity requires a separately purchased license.

Table 2: PA-3200 Series Networking Features

Interface Modes
L2, L3, tap, virtual wire (transparent mode)
Routing
OSPFv2/v3 with graceful restart, BGP with graceful restart, RIP, static routing
Policy-based forwarding
Point-to-Point Protocol over Ethernet (PPPoE)
Multicast: PIM-SM, PIM-SSM, IGMP v1, v2, and v3
SD-WAN
Path quality measurement (jitter, packet loss, latency)
Initial path selection (PBF)
Dynamic path change

Table 2: PA-3200 Series Networking Features (continued)

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, IKEv1, 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
VLANs
802.1Q VLAN tags per device/per interface: 4,094/4,094
Aggregate interfaces (802.3ad), LACP

Table 2: PA-3200 Series Networking Features (continued)

Network Address Translation
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, HA clustering
Failure detection: path monitoring, interface monitoring
Zero Touch Provisioning (ZTP)
Available with -ZTP SKUs (PA-3260-ZTP, PA-3250-ZTP, PA-3220-ZTP)
Requires Panorama 9.1.3 or higher

Table 3: PA-3200 Series Hardware Specifications

I/O
PA-3260: 10/100/1000 (12), 1G/10G SFP/SFP+ (8), 40G QSFP+ (4)
PA-3250: 10/100/1000 (12), 1G/10G SFP/SFP+ (8)
PA-3220: 10/100/1000 (12), 1G SFP (4), 1G/10G SFP/SFP+ (4)
Management I/O
10/100/1000 out-of-band management port (1), 10/100/1000 high availability (2), 10G SFP+ high availability (1), RJ-45 console port (1), Micro USB (1)
Storage Capacity
240 GB SSD
Power Supply (Avg/Max Power Consumption)
Redundant 650-watt AC or DC (180/240)
Max BTU/hr
819

Table 3: PA-3200 Series Hardware Specs. (cont.)

Input Voltage (Input Frequency)
AC: 100–240 VAC (50–60 Hz)
DC: -48 V @ 4.7 A, -60 V @ 3.8 A
Max Current Consumption
AC: 2.3 A @ 100 VAC, 1.0 A @ 240 VAC
DC: -48 V @ 4.7 A, -60 V @ 3.8 A
Mean Time Between Failure (MTBF)
14 years
Rack Mount Dimensions
2U, 19" standard rack (3.5" H x 20.53" D x 17.34" W)
Weight (Standalone Device/As Shipped)
29 lbs / 41.5 lbs
Safety
TUV CB report and TUV NRTL
EMI
FCC Class A, CE Class A, VCCI Class A
Certifications
See https://www.paloaltonetworks.com/company/certifications.html
Environment
Operating temperature: 32° to 122° F, 0° to 50° C
Non-operating temperature: -4° to 158° F, -20° to 70° C
Humidity tolerance: 10% to 90%
Maximum altitude: 10,000 ft / 3,048 m
Airflow: front to back

To view additional information about the features and associated capacities of the PA-3200 Series, please visit www.paloaltonetworks.com/products.