

# PA-3000 SERIES

Palo Alto Networks® PA-3000 Series of next-generation firewall appliances comprises the PA-3060, PA-3050 and PA-3020, all of which are targeted at high-speed internet gateway deployments. The PA-3000 Series appliances manage network traffic flows using dedicated processing and memory for 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®, Mac® OS X®, 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.

### Prevent known and unknown threats

- Blocks a range of known threats, including exploits, malware and spyware, across all ports, regardless of common 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.



The controlling element of the PA-3000 Series 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 – 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-3050	PA-3060	PA-3020
Firewall throughput (App-ID enabled)	4 Gbps	4 Gbps	2 Gbps
Threat Prevention throughput	2 Gbps	2 Gbps	1 Gbps
IPsec VPN Throughput	500 Mbps	500 Mbps	500 Mbps
New sessions per second	50,000	50,000	50,000
Max sessions	500,000	500,000	250,000
Virtual systems (base/max <sup>1</sup> )	1/6	1/6	1/6

<sup>1</sup> Adding virtual systems to the base quantity requires a separately purchased license

## Networking Features

<b>Interface Modes</b>
L2, L3, tap, virtual wire (transparent mode)
<b>Routing</b>
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
Bidirectional Forwarding Detection (BFD)
<b>IPv6</b>
L2, L3, tap, virtual wire (transparent mode)
Features: App-ID, User-ID, Content-ID, WildFire and SSL decryption SLAAC
<b>IPsec VPN</b>
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
<b>VLANs</b>
802.1Q VLAN tags per device/per interface: 4,094/4,094
Aggregate interfaces (802.3ad), LACP
<b>Network Address Translation</b>
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
<b>High Availability</b>
Modes: active/active, active/passive
Failure detection: path monitoring, interface monitoring

## Hardware Specifications

<b>I/O</b>
PA-3060: (8) 10/100/1000, (8) Gigabit SFP, (2) 10 Gigabit SFP+
PA-3050 / PA-3020: (12) 10/100/1000, (8) SFP Gigabit
<b>Management I/O</b>
(1) 10/100/1000 out-of-band management port, (2) 10/100/1000 high availability, (1) RJ-45 console port
<b>Storage Capacity</b>
120GB SSD
<b>Power Supply (Avd/Max Power Consumption)</b>
PA-3060: Redundant 400wW AC (160/200)
PA-3050 / PA-3020: Single 250wW AC (150/200)
<b>Max BTU/hr</b>
683
<b>Input Voltage (Input Frequency)</b>
100–240VAC (50–60Hz)
<b>Max Current Consumption</b>
2A @ 100VAC
<b>Rack Mountable (Dimensions)</b>
PA-3060: 1.5U, 19" standard rack (2.6" H x 14" D x 17.5" W)
PA-3050 / PA-3020: 1U, 19" standard rack (1.75" H x 17" D x 17" W)
<b>Weight (Stand-Alone Device/As Shipped)</b>
PA-3060: 18 lbs / 27.5 lbs
PA-3050 / PA-3020: 15 lbs / 20 lbs
<b>Safety</b>
UL, CUL, CB, cCSAus
<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

To view additional information about the features and associated capacities of the PA-3000 Series, please visit [www.paloaltonetworks.com/products](http://www.paloaltonetworks.com/products).



3000 Tannery Way  
Santa Clara, CA 95054  
Main: +1.408.753.4000  
Sales: +1.866.320.4788  
Support: +1.866.898.9087  
[www.paloaltonetworks.com](http://www.paloaltonetworks.com)

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