PA-500

Palo Alto Networks® PA-500 is a next-generation firewall appliance for enterprise branch offices and midsize businesses.

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 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, 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 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-500

The controlling element of the PA-500 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-500
Firewall throughput (App-ID enabled)	250 Mbps
Threat Prevention throughput	100 Mbps
IPsec VPN throughput	50 Mbps
Max sessions	64,000
New sessions per second	7,500

PA-500 supports a wide range of networking features that enable you to more easily integrate our security features into your existing network.

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

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, 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

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

Failure detection: path monitoring, interface monitoring

To view additional information about the features and associated capacities of the PA-500, please visit **www.paloaltonetworks.com/products**.

Hardware Specifications

I/O

(8) 10/100/1000

Management I/O

(1) 10/100/1000 out-of-band management port,
(1) RJ-45 console port

Storage Capacity

160GB HDD

Power Supply (Avg/Max Power Consumption)

180W (40W/75W)

Max BTU/hr

256

Input Voltage (Input Frequency)

100-240VAC (50-60 Hz)

Max Current Consumption

1A@100VAC

Mean Time Between Failure (MTBF)

10.16 years

Max Inrush Current

110A@230VAC, 51A@115VAC

Rack Mountable (Dimensions)

1U, 19" standard rack (1.75" H x 10" D x 17" W)

Weight (Stand-Alone Device/As Shipped)

8 lbs/13 lbs

Safety

cCSAus, CB

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

Airflow: side-to-back

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