

PA-2000 Series

The PA-2000 Series is a next generation firewall that delivers unprecedented visibility and control over applications, users and content on enterprise networks.

APPLICATION VISIBILITY AND CONTROL:

- Uniquely identifies over 700 applications irrespective of port, protocol, SSL encryption or evasive tactic employed
- Graphical tools enable simple and intuitive view into application, user and content activity
- Policy control by application, category, subcategory, behavioral characteristic, source/destination, URL category, or schedule

USER VISIBILITY AND CONTROL:

- View application traffic by users and groups via seamless integration with Active Directory
- Tie security policies to users and groups as opposed to IP address

CONTENT VISIBILITY AND CONTROL:

- Detect and block viruses, spyware, and vulnerability exploits, limit unauthorized file transfers and control non-desirable web surfing



PA-2020



PA-2050

The Palo Alto Networks™ PA-2000 Series is comprised of two high performance platforms, the PA-2020 and the PA-2050, both of which are targeted at high speed Internet gateway deployments. The PA-2000 Series manages network traffic flows using dedicated processing and memory for networking, security, threat prevention and management.

A high speed backplane smoothes the pathway between dedicated processors, and the separation of data and control plane ensures that management access is always available, irrespective of the traffic load. Interface density for the PA-2020 and the PA-2050 is unmatched with up to 20 traffic interfaces and dedicated out-of-band management interfaces.

The controlling element of the PA-2000 Series next generation firewalls is PAN-OS™, a security-specific operating system that tightly integrates three unique identification technologies: App-ID™, User-ID and Content-ID, with networking, IPSec VPN connectivity, and management features.

KEY PERFORMANCE SPECIFICATIONS	PA-2020	PA-2050
Firewall throughput	500 Mbps	1 Gbps
Threat prevention throughput	200 Mbps	500 Mbps
IPSec VPN throughput	200 Mbps	300 Mbps
IPSec VPN tunnels/interfaces	1,000	2,000
New sessions per second	15,000	15,000
Max sessions	125,000	250,000

For a complete description of the PA-2000 Series feature set, please visit www.paloaltonetworks.com/literature.

Additional PA-2000 Series Specifications

APP-ID

- Identifies and controls more than 700 applications
- SSL decryption via forward or reverse proxy

FIREWALL

- Policy by application, application category, subcategory, technology, risk factor or characteristic
- Policy by user, group or IP address
- Maximum number of policies: 2,500 (PA-2020), 5,000 (PA-2050)
- Per policy diffserv marking
- Block files by type: bat, cab, dll, doc, encrypted doc, docx, ppt, encrypted ppt, pptx, xls, encrypted xls, xlsx, rar, encrypted rar, zip, encrypted zip, exe, gzip, hta, mdb, mdi, ocx, pdf, pgp, pif, pl, reg, sh, tar, text/html, tif, wsk, zcompressed
- Data filtering: Social Security Numbers, Credit Card Numbers, Custom Data Patterns
- Denial of Service protection
- Fragmented packet protection
- Reconnaissance scan protection

THREAT PREVENTION (SUBSCRIPTION REQUIRED)

- Block viruses, spyware, network worms and vulnerability exploits

URL FILTERING (SUBSCRIPTION REQUIRED)

- 76-category on-box database
- Customizable allow and block lists
- Customizable block page

IPSEC VPN

- Manual Key, IKE v1
- 3DES, AES (128-bit, 192-bit, 256-bit) encryption
- SHA1, MD5 authentication

NETWORKING

- Tap Mode, Virtual Wire, layer 2, layer 3
- 802.1Q VLAN tagging (layer 2, layer 3)
- Network address translation (NAT)
- OSPF and RIPv2
- DHCP server/ DHCP relay (up to 3 servers)
- Virtual routers: 3 (PA-2020), 5 (PA-2050)
- Virtual systems: Not supported
- Security zones: 20 (PA-2020, PA-2050)

HIGH AVAILABILITY

- Active/Passive
- Configuration and session synchronization
- Interface and IP tracking
- Link and path failure monitoring

MANAGEMENT

- Role-based administration
- Centralized management (Panorama)
- Shared policies (Panorama)
- Command Line Interface (CLI)
- Integrated web interface
- Syslog
- SNMPv2

HARDWARE SPECIFICATIONS

I/O	(16) 10/100/1000 + (4) SFP optical gigabit - PA-2050 (12) 10/100/1000 + (2) SFP optical gigabit - PA-2020
Management I/O	(1) 10/100/1000 out-of-band management port, (1) RJ-45 console port
Power supply	250W
Input voltage	100-240Vac
Input frequency	50-60Hz
Max input current	70A @230Vac; 35A@115Vac
Power consumption (avg/max)	105W/120W
Rack mountable (Dimensions)	1U, 19" standard rack (1.75"H x 17"D x 17"W)
Safety	UL, CUL, CB
EMI	FCC Class A, CE Class A, VCCI Class A, TUV

ENVIRONMENT

Operating temperature	32° to 122° F, 0° to 50° C
Non-operating temperature	-4° to 158° F, -20° to 70° C

ORDERING INFORMATION

Platform	
Annual threat prevention subscription	
Annual URL filtering subscription	

PA-2050

PAN-PA-2050
PAN-PA-2050-TP
PAN-PA-2050-URL2

PA-2020

PAN-PA-2020
PAN-PA-2020-TP
PAN-PA-2020-URL2

For additional information on the PA-2000 Series software features, please visit www.paloaltonetworks.com/literature.



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