

# PAL: PAN-PA-850 Datasheet

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## Overview

Palo Alto Networks PA-800 Series next-generation firewall appliances, comprised of the PA-820 and PA-850, are designed to secure enterprise branch offices and midsized businesses.

The controlling element of the Palo Alto Networks PA-800 Series appliances 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 business 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.

### Quick Specs

Table 1 shows the Quick Specs.

Part number	PAN-PA-850
Description	Palo Alto Networks PA-850, Security appliance, GigE, 1U, rack-mountable
Firewall throughput (App-ID)	2.1/2.1 Gbps
Threat prevention throughput	1.0/1.2 Gbps
IPSec VPN throughput	1.6 Gbps
New sessions per second	13,000
Max sessions	192,000

### Product Details

#### Features

1.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™ application identification 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.

2.Enforces security policies for any user, at any location

- Deploys consistent policies to local and remote users running on the 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, NAC solutions, and any other source of user identity information.

3.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, delivering automated prevention in seconds 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.

4.Enables SD-WAN functionality

- Easily adopt SD-WAN by simply enabling it on your existing firewalls.
- Enables you to safely implement SD-WAN, which is natively integrated with our industry-leading security.
- Delivers an exceptional end user experience by minimizing latency, jitter, and packet loss.

Compare to Similar Items

Table 2 shows the comparison.

Model	PAN-PA-850	PAN-PA-820
Firewall throughput (App-ID)	2.1/2.1 Gbps	1.8/1.6 Gbps
Threat prevention throughput	1.0/1.2 Gbps	850/900 Mbps
IPsec VPN throughput	1.6 Gbps	1.3 Gbps
New sessions per second	13,000	8,600
Max sessions	192,000	128,000

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Do you have any question about thePAN-PA-850?

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Specification

PAN-PA-850 Specification	
Model	PA-850
Performance and Capacities Specifications	
Firewall throughput (App-ID)	2.1/2.1 Gbps
Threat prevention throughput	1.0/1.2 Gbps
IPSec VPN throughput	1.6 Gbps
New sessions per second	13,000
Max sessions	192,000
Hardware Specifications	
I/O	10/100/1000 (4), Gigabit SFP (8)
Management I/O	10/100/1000 out-of-band management port (1) 10/100/1000 high availability (2) RJ-45 console port (1) USB port (1) Micro USB console port (1)
Storage Capacity	240GB SSD
Power Supply	Fixed AC 200 W power supply (1)
Power Consumption	Maximum: 120 W Average: 41 W
Max BTU/hr	256
Input Voltage (Input Frequency)	100-240VAC (50-60Hz)
Max Current Consumption	1.0 A @ 100 VAC, 0.5 A @ 240 VAC