

Palo Alto Networks Corporate Overview

Palo Alto Networks, the global cybersecurity leader, continually delivers innovation to enable secure digital transformation—even as the pace of change is accelerating

Palo Alto Networks, Inc. Common Stock (PANW)

Nasdag Listed Nasdag 100

\$231.90 +5.11 (+2.25%) CLOSED AT SEP 27, 2023 4:00 PM ET • 1 + ADD TO WATCHLIST + ADD TO PORTFOLIO



KEY TRENDS IMPACTING CYBERSECURITY



The shift to the cloud has gone mainstream

188%

YoY increase in Cloud incidents



The nature of work has changed fundamentally

61%

of organizations say they are struggling to secure the hybrid workforce



The threat landscape continues to escalate

53%

of organizations turn to AI for more effective threat detection

Palo Alto Networks What's Next in Cyber survey

Recent Examples of High Profile Attacks



CVE-2022-26134, a remote code execution vulnerability was reported in Confluence Server and Data Center products. This vulnerability was actively exploited by Ransomware gangs such as AvosLocker and Cerber after proof-of-concept exploits were leaked online



Leveraged ransomware-as-a-service (RaaS) variant (DarkSide). DarkSide attackers typically first gain initial access through phishing and use Cobalt Strike to obscure their C2 operations



CVE-2021-44228, a JNDI injection flaw in Apache's widely deployed open-source Log4j logging library—present in everything from web and email servers—allows remote, unauthenticated attackers to take control of vulnerable targets

Al will transform the threat landscape

WSJ

With AI, Hackers Can Simply Talk Computers Into Misbehaving

Using a technique called 'prompt injections', hackers can break AI systems using plain English

Aug 10, 2023

And many, many more use cases

Al-generated malware

Al-enhanced social engineering attacks

Malicious code injection into model repos

Al-driven botnets

The threat future, powered by Al

Increased speed to near real-time

Decreased time from compromise to exfiltration CVE exploitation in record time

Increased scope

Any "vulnerable population" targeted

Dark motivations

Attacks to disrupt essential services

Huge "opportunity" \$10.5T¹ cybercrime "market" in 2025

WHAT WE KNOW

The costs of inaction are...

Breaches guaranteed

96%

The percentage of organizations attacked in the last year

Source: Palo Alto Networks What's Next In Cyber

Operational disruption

33%

Of security professionals experienced operational disruption as a negative consequence of a breach

Source: Palo Alto Networks What's Next In Cyber

Financial and business impacts

\$2.4M

The average cost associated with recovering from a breach.

Source: Forrester

Cybersecurity transformation has become imperative for all of us



Best of Breed



It's not just our view...

77%

Of security executives think it is critical to reduce the number of security solutions and services they use

Source: Palo Alto Networks What's Next in Cyber survey

WHAT WE PROVIDE

Our next-gen platforms enable cyber transformation



Network Security STRATA | PRISMA SASE

Best-in-class security delivered across hardware, software and SASE



Cloud Security

PRISMA CLOUD

Comprehensive platform to secure everything that runs in the cloud



Security Operations

CORTEX

A new approach to SOC with fully integrated data, analytics and automation

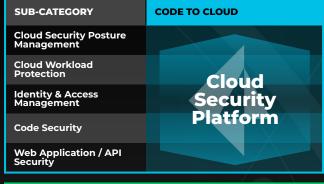


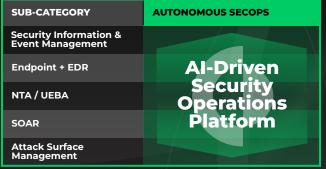
Threat Intelligence and Advisory Services

World-renowned threat intelligence, cyber risk management and advisory services

SIMPLIFY SECURITY WITH OUR BEST OF BREED PLATFORMS







We leverage AI across our entire portfolio

Unique Assets



Sensors installed across ~48k customers ¹



4.86 PBs of high quality data collected per day



Out-of-the-box automation to take real-time action

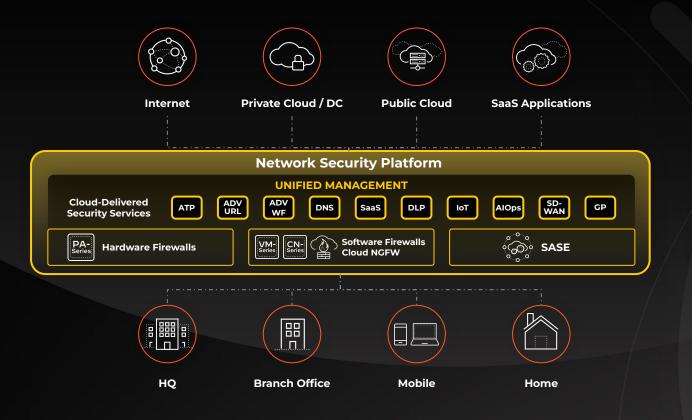
Precision AI

Precision AI will allow us to deliver unparalleled detection and response to achieve near real-time security

Generative Al

Generative AI will redefine and simplify how customers engage with our products and services

BEST-IN-CLASS NETWORK SECURITY FOR ALL USERS ACCESSING ALL APPLICATIONS



BENEFITS

Safer

48%

more zero-day attacks stopped in real-time with inline deep learning, compared to legacy vendors

Always-On

99.999%

availability with industry-leading ZTNA 2.0

Faster

<10 seconds

from threat detection to threat prevention. 180x faster than competing products

Significant Acceleration in Al-based Innovation

•	•	: :		•
Subscription	ns			
WildFire	+ inline ML	+ Additional file formats	+ ML-based shell script analysis	Adv. WildFire
DNS Secur	ity + Advanced signatures	+ Additional attack coverage	+ 40% more threat coverage	+ coverage of encrypted requests
	loT Security		loT 2.0	Medical IoT and OT Security
		Adv. URL Filtering	+ increased phishing detection	Al-based Phishing Detection
				AlOps powered ADEM
			Adv. Threat Prevention	+ Al-detection of injection attacks
		Prisma Access	NG CASB	SD-WAN
			PAN-OS 10.2	
			PAN-03 10.2	
2016-1	9 2019-20	2020-21	2021-22	2022-23

Al Drives Tangible Customer Outcomes at Scale

ADVANCED THREAT PREVENTION

ADVANCED WILDFIRE

ADVANCED URL FILTERING

DNS **SECURITY**

Exploits & C2 sessions prevented inline per day Malware attacks prevented inline per day

Web-based attacks prevented inline per day

DNS-based attacks prevented inline per day

in the cloud

29.4M new files analyzed **34.3M** suspicious sessions analyzed

8.3B 79.4M 78.2M 143M

165K zero-day malware detected

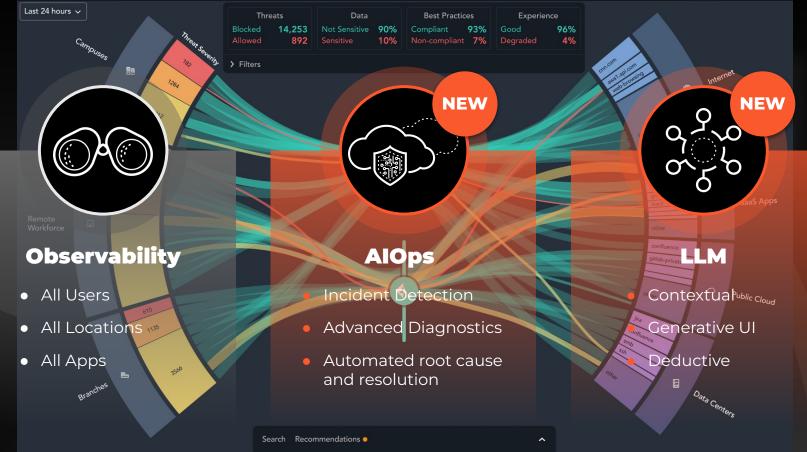
280.6M new URLs analyzed

417K new malicious URLs attacks blocked

394M new domains analyzed

936K new malicious domains blocked

Using AI & Data to Revolutionize User Experience



PRISMA SASE: ZERO TRUST WITH ZERO EXCEPTION



- Delivering ZTNA 2.0
 - Least-Privilege Access
 - Continuous Trust Verification
 - Continuous Security Inspection
 - Protect All Data
 - Secures All Apps

- Seamless User Experience
 - High availability
 - Cloud-Scale Architecture
 - Data Plane Isolation
 - Industry leading SLAs

- Unified Best-of-Breed Capabilities
 - Firewall as a Service (FWaaS)
 - Secure Web Gateway (SWG)
 - Cloud Access Security Broker (CASB)
 - Zero Trust Network Access (ZTNA)
 - Software-defined WAN (SD-WAN)
 - Native Visibility (ADEM)

CORTEX - POWERING UP THE MODERN SOC

WHAT'S POSSIBLE WITH THE AUTOMATED SOC

CHOOSE FROM BEST-IN-CLASS INTEGRATED PRODUCTS



Cortex **XDR**

Prevent, detect & investigate attacks across the enterprise



Cortex **XSOAR**

Automate response and improve with every incident



Cortex Xpanse

Discover & protect your entire internet attack surface

SELECT OR EASILY MIGRATE TO A UNIFIED SECOPS PLATFORM



Cortex XSIAM

The autonomous security platform for the modern SOC

36 B Events Events

133 Alerts Alerts / Incidents 7 Incidents

Automated / 125 Automated **Manual Analysis** 8 Manual

Major Incidents

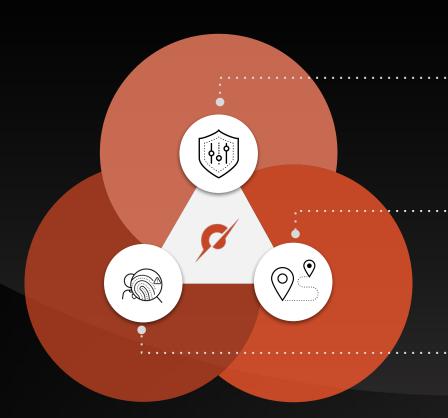


Mean Time to Detect



Mean Time to Respond (High priority)

UNIT 42: DATA-DRIVEN THREAT INTELLIGENCE & RESPONSE



Assess

CYBER RISK MANAGEMENT

Assess and test your controls against real-world threats targeting your organization, then communicate your security risk posture to your board and key stakeholders.

Transform

CYBER RISK MANAGEMENT & THREAT INTEL

Transform your security strategy with a threat-informed approach to tighten alignment across your people, processes, technology and governance.

Respond

INCIDENT RESPONSE & MANAGED DETECTION & RESPONSE

Respond in record time by quickly investigating, eradicating and remediating even the most advanced attacks.

BEST OF BREED ACROSS THE BOARD

LEADING THE WAY IN CYBERSECURITY INNOVATION

ACROSS 15 CATEGORIES

NGFW

A **Leader** in Gartner Magic Quadrant Network Firewalls

Gartner

ZTNA

A **Leader** in Forrester Zero Trust Network Access New Wave

FORRESTER

SD-WAN

A Leader in Gartner Magic Quadrant SD-WAN

Gartner

EPP/XDR

A **Leader** in Forrester Endpoint Security Software As A Service Wave

Forrester

A **Leader** in Gartner Magic Ouadrant Security Service Edge

Gartner

CSPM

A **Leader** in GigaOm's Cloud Security Posture Management Radar

GIGAOM

More leadership categories:

- A Leader in Forrester Zero Trust Extended Ecosystem Wave
- Frost & Sullivan Global Company of the Year Award for **SASE**
- A Leader in GigaOm **Developer Security Tools** Radar
- A Leader in GigaOm **OT Security** Radar
- A Leader in Forrester Cloud Workload Security Wave
- Outperformer Leader in GigaOm Vulnerability **Management** Radar
- Leader in KuppingerCole Security Orchestration **Automation & Response** Leadership Compass
- Outperformer Leader in GigaOm Attack Surface **Management** Radar

Leadership In Critical Third Party Assessments

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WHY PALO ALTO NETWORKS

We are the cybersecurity partner of choice

Securing tens of thousands of customers globally

10 of 10

of the Fortune 10

Largest Utilities in the World

8 of 10 9 of 10

Largest U.S. Banks

9 of 10 7 of 10

Largest Oil & Gas in the World

Largest Manufacturing Companies in the World

9 of 10

Top U.S. Hospitals



