

Premises Security

Managed Palo Alto Firewall Services

LumenSM Managed Firewall customers are facing increasing security risks and challenges as the network perimeter is redefined with the advent of cloud computing and hybrid networks. The convergence of technologies onto NextGen platforms makes more efficient and secure operations viable, reducing complexity and saving costs.

Keeping intruders out while enabling daily Internet operations requires a comprehensive set of security policies and constant monitoring to help ensure your systems and data are protected. But the labor and financial investment required to implement this kind of firewall security can quickly drain IT resources, leaving no time or money to focus on day-to-day business processes, and potentially leaving network assets open to attack.

Enterprises need to partner with a managed firewall provider who can offer a broad portfolio of effective, industry-leading managed firewall services, from virtual to dedicated firewall platforms. At Lumen, our security professionals will share their expertise gained from installing and managing thousands of firewalls. We provide proactive security services supported by certified security professionals stationed around the world to deliver operational protection every minute of every day.

Palo Alto NextGen firewalls are recognized for their superior performance. A single-pass architecture classifies and controls traffic to the security policy in a "single pass," resulting in optimized throughput, over 20 Gbps, when enabling multiple threat prevention features without the latency typical in other vendor firewalls. LumenSM Security Log Monitoring platform manages and monitors a diverse set of Palo Alto NextGen firewalls with enhanced visibility and threat intelligence capabilities, as well as rich integration with its portal and mobile application, including support for these features:

- **App-ID**
Application awareness of all your applications regardless of port
- **User-ID**
Integrate with user identity systems to allow your security policies to follow your users
- **Anti-spyware and anti-malware**
Block inbound malicious content and suspicious outbound traffic at the perimeter
- **URL filtering**
Apply web policies for traffic outbound to the Internet
- **IPS**
Run intrusion prevention on your firewall without significant performance penalties
- **DHCP**
Leverage your firewall as a DHCP server
- **Site-to-Site VPN**
Encrypt traffic with IPsec between firewalls
- **Global Protect Client VPN**
Support remote users with SSL encryption



Security Log Monitoring

Lumen maintains an adaptive security ecosystem by integrating its management and monitoring of Palo Alto NextGen firewalls with its proprietary Security Log Monitoring platform. Our NextGen SIEM consolidates firewall logs and security events to enable the detection of threats across the enterprise with the following default features:

- Log collection to a centralized platform and encrypted both in transit and at rest
- 90 days log retention with options to expand to 1, 3, 5 and 7 years
- Threat detection use cases included with foundational monitoring
- Security leads and clues are available for investigation via a portal or mobile app

Additional capabilities are offered as options to match customer requirements and budgets, including:

- Cloud Security Monitoring
- Threat Intelligence to apply additional threat feeds to use cases and add your own threat feeds via an API
- Advanced Monitoring Algorithms for correlation with additional use cases
- Trending and Analytics that extends log queries from 90 days to a full year of indexed data
- SOC Monitoring that brings Lumen skilled security analysts to investigate leads and escalate incidents

Pricing Models

Every organization must prioritize the security of their digital premises. Lumen offers pricing models and price points for solutions that can satisfy the requirements of businesses both large and small. We support a range of Palo Alto platforms including the 800 series with combined FW+IPS throughput of 610 Mbps, the 3000 series with 3 Gbps throughput and the 5000 series with 20 Gbps throughput. We offer support for customer-owned Palo Alto firewalls as well as an OpEx model where we maintain the license subscriptions to reduce up front capital expenses.

All threat intelligence and notifications are available for investigation via a web portal and mobile app with the same views our Global SOC Analysts monitor for full transparency, as we assist customers to manage and respond to incidents.

Contact your Lumen representative to learn more about how we can protect your network with cost-effective, premises security solutions, proven expertise and NextGen technology.

Why Lumen?

As a telecommunications leader, Lumen understands the risks faced by its customers. We collect 357 million DNS queries per day and monitor over 1.3 billion security events and 114 billion NetFlow sessions per day. We respond to and mitigate 120 DDoS attack per day, track over 5,000 Command and Control (C2) servers per day and identify over 267 new C2s per month - removing 35 C2s per month.

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