

Lightpath



LP FlexNet

SD-WAN Management to Transform Your Business

Today's successful organizations need flexible secure connectivity between:



More Locations



More Devices



More Clouds

Business Challenge:

Network management has become increasingly complex, making security, application access, failure resolution, resource forecasting, and growth harder to manage.

Transformative network management solutions are needed that have the agility to accelerate growth and provide an enhanced customer and employee experience through improved network and application efficiency, security, and performance.

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LP FlexNet SD-WAN Can Transform Your Business

Security First

- ▶ Our SD-WAN delivers a comprehensive security posture at the device level
- ▶ Integrated cybersecurity features
- ▶ Improve business continuity
- ▶ Easily reroute network traffic during outages or link failures

Enhance Performance

- ▶ Better customer & employee experience
- ▶ Improved application performance
- ▶ Greater reliability, agility, flexibility and control across any location or device
- ▶ Eliminate site bottlenecks & application performance inconsistencies
- ▶ Faster failure resolution

Simplify Management

- ▶ Managed Service solution with ease and visibility
- ▶ Easily adapt to new business requirements
- ▶ Eliminate manual processes and improve workforce efficiency
- ▶ Greater scalability
- ▶ Optimize network performance
- ▶ Improve resource management & forecasting

Improve ROI

- ▶ Reduce expensive circuit costs
- ▶ Save operational time
- ▶ Reduce & optimize IT staff cost
- ▶ Facilitate revenue growth
- ▶ Faster implementation of new revenue opportunities

Security First Approach

The combination of SD-WAN and cybersecurity delivers a comprehensive security posture at the device level, ensuring secure, optimized, and scalable network access.

- ▶ Integrated cybersecurity features including IDS/IPS, URL filtering, anti-malware, geo-IP-based firewalling, IPsec, VPN connectivity
- ▶ Highest level of cybersecurity protections up to 8 Gbps
- ▶ Segmentation isolates and protects critical assets with the Cloud, partner networks, etc.
- ▶ Managed firmware updates
- ▶ Option to bring your own cybersecurity stack
- ▶ Components to help achieve compliance requirements

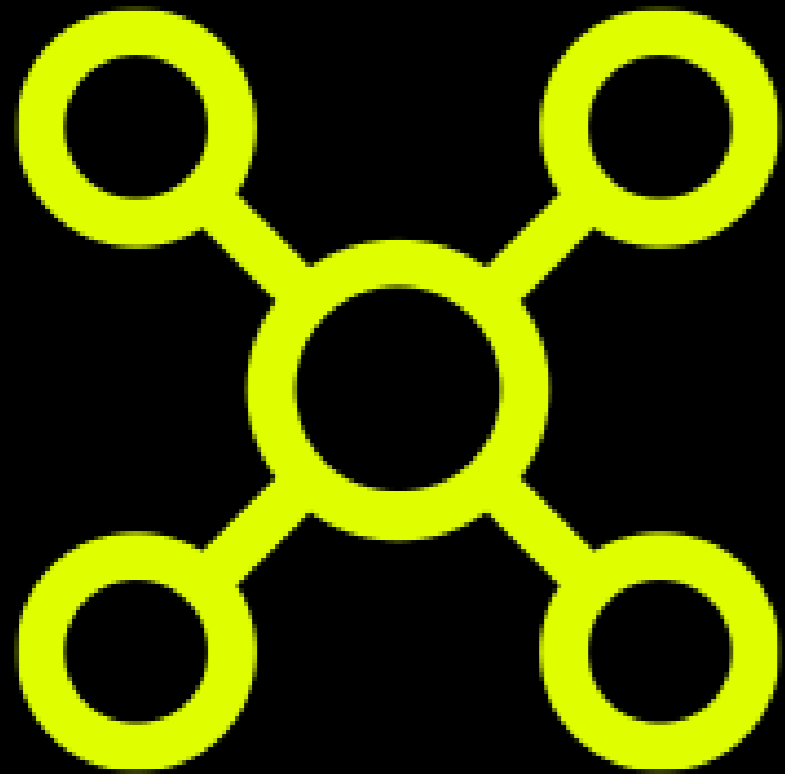


Why Lightpath LP FlexNet SD-WAN?

- ▶ Security-first approach
- ▶ Flexible, predictable, and resilient digital architecture
- ▶ High availability through multiple WAN links
- ▶ Sites simultaneously access secure WAN and Internet directly
- ▶ Over 80+ content categories and thousands of applications to apply a range of network and security policies
- ▶ Lightpath underlay, and/or bring your own
- ▶ Lightpath solutions or integrate with 3rd party
- ▶ Lightpath Internet, WiFi, Cloud Connect, Voice
- ▶ Continental US Coverage



Simplify With LP FlexNet Managed Service



A holistic managed service solution for control, flexibility, and ease:

- ▶ Cybersecurity
- ▶ Visibility/control
- ▶ Easy performance tracking
- ▶ Automated network monitoring and alerting
- ▶ Proactive support
- ▶ Quick site deployment
- ▶ Simplified Cloud access
- ▶ Lean IT operations
- ▶ Lightpath-managed expertise

Lightpath Experience and Expertise

Lightpath is your strategic network partner delivering solutions to transform the way you work.

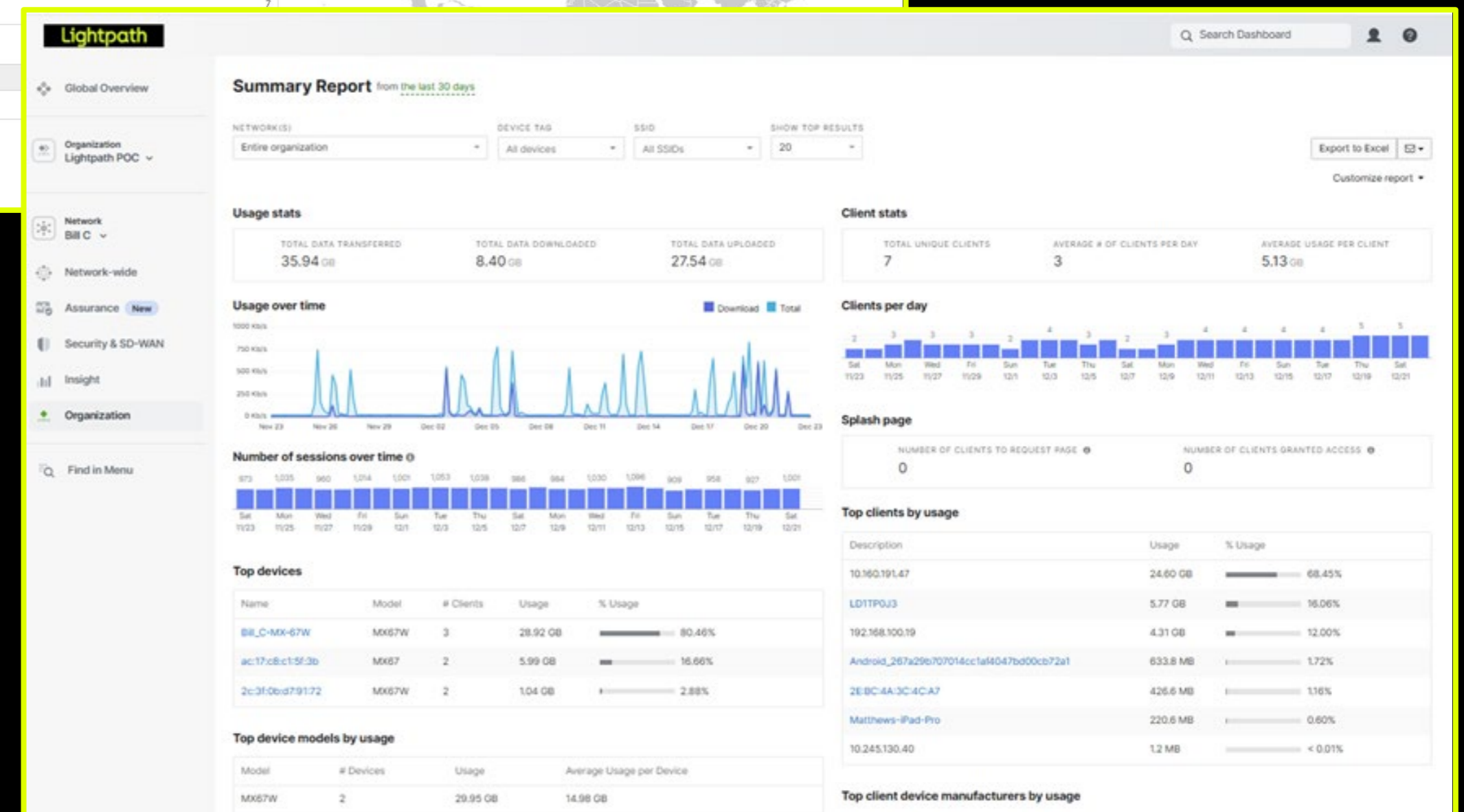
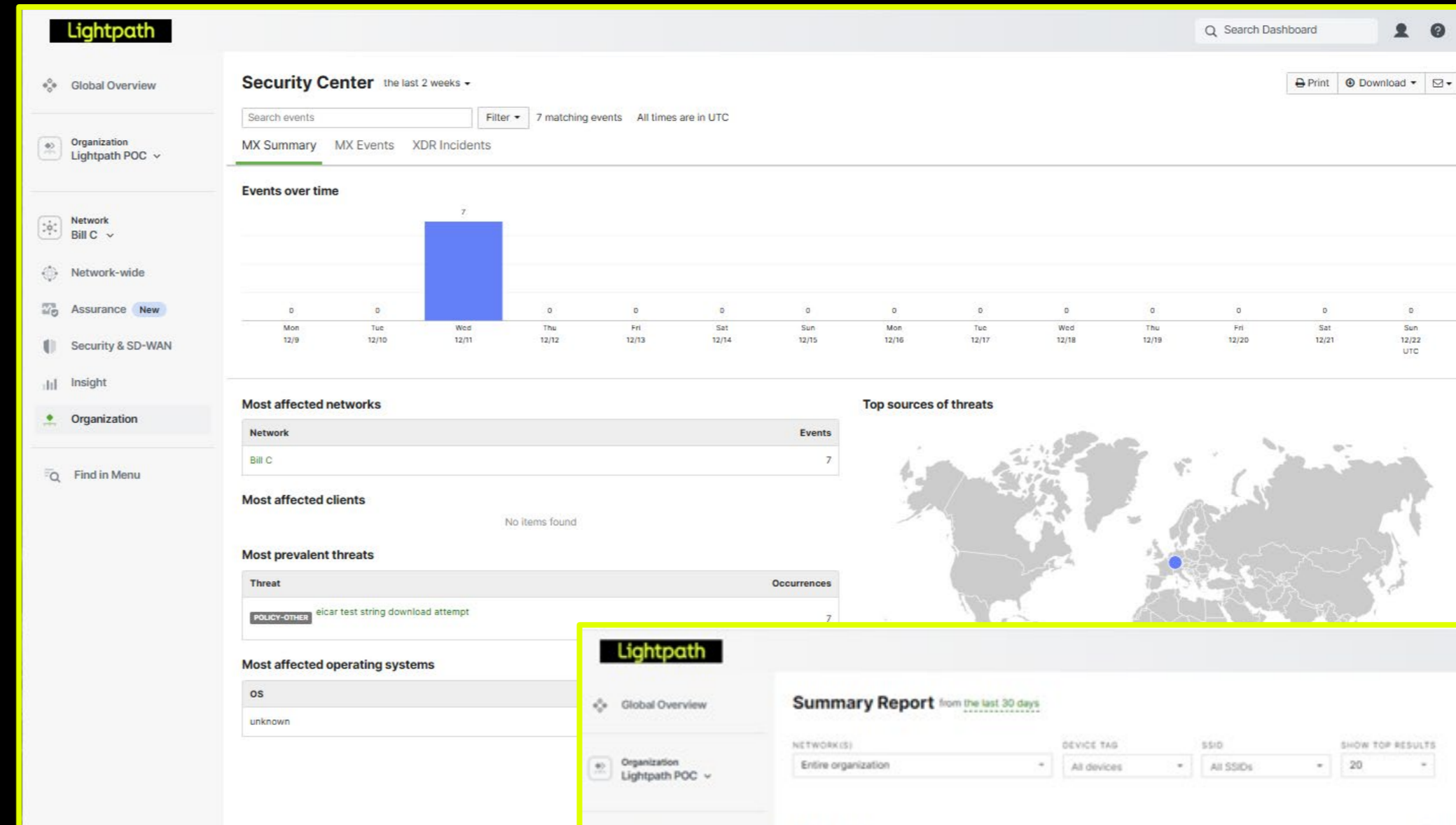
- ▶ Expert custom design, zero-touch onboarding, excellent ongoing care
- ▶ Customized to meet your unique needs
- ▶ Expertise to analyze existing networks and design high availability solutions including device level and transport-layer resiliency
- ▶ Application aware policies with real-time enforcement around network issues
- ▶ Managed service is standard, and will support co-managed based upon customer requirements



Agile, cost-effective next-generation network connectivity and management.

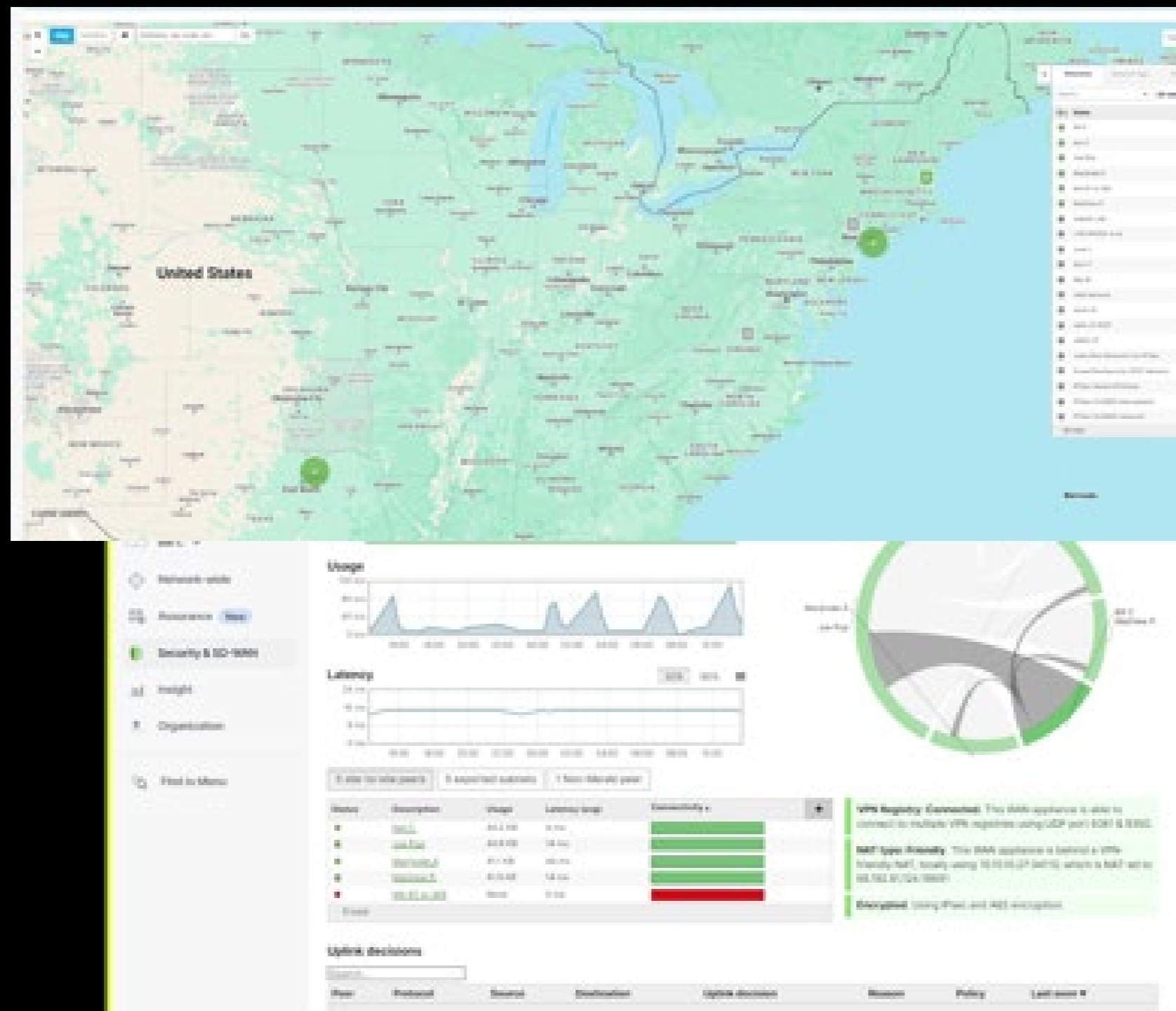
Sophisticated Reporting for Analytics

- ▶ Insights with visibility across the entire network and applications
- ▶ Identify network issues
- ▶ Adjust and forecast resources more effectively
- ▶ Rapid failure correlation and mitigation
- ▶ Notifications of network performance
- ▶ API integrates with your network monitoring or SIEM systems.



Convenient Portal Visibility

LP FlexNet Portal



- ▶ Rich set of views and email alerts keep administrators informed
- ▶ Real-time network statistics, including usage, loss, latency, jitter, etc.
- ▶ Schedule automatic report delivery

How LP FlexNet Capabilities Help You

| Administration & Management | Architecture & Performance | High Availability Deployment | Security - Unified Threat Mgmt. | Migration & Integration | Advanced Networking & Flow Control |
|--|--|---|---|---|--|
| <ul style="list-style-type: none"> • Web-based & mobile management portal • Real-time analytics dashboards • Automated firmware upgrades & Email alerts • SysLog server integration • Co-management option for shared control | <ul style="list-style-type: none"> • Flexible topologies: full mesh, hub-spoke, or hybrid • Up to 8 Gbps throughput with full cybersecurity, 20 Gbps without. • Support for up to 3 WAN interfaces (fiber, broadband, LTE) • VLAN addressing with private IPs • Custom DHCP options and reserved ranges | <ul style="list-style-type: none"> • Device level HA (active/backup failover) • WAN High Availability (active/active or standby) • Automatic failover across transports • Scalable site-to-site VPN tunnels • Full deployment & staging services | <ul style="list-style-type: none"> • Advanced stateful firewall • Intrusion Prevention System (IPS) • Anti-virus & anti-malware protection • Layer 7 content filtering • Geo-IP filtering • Forwarding rules (NAT, port forwarding, 1:1 mapping) • Cloud-delivered signature updates | <ul style="list-style-type: none"> • Conversion of existing Firewall rules to Meraki firewall policies • Seamless cutover migration with minimal disruption • Policy-based routing & interoperability with existing networks | <ul style="list-style-type: none"> • Deep Packet Inspection (DPI) for applicable visibility • Application-aware routing & QoS prioritization • Policy-based traffic shaping • Dynamic path selection based on performance metrics • Multi-cloud and hybrid cloud connectivity |

Choose the Solution that Works Best for Your Organization

Cisco Meraki based solutions

| Features | LP FlexNet |
|--|---------------|
| Web-based portal with full network visibility from a single management platform | ✓ |
| Maximum throughput <i>with</i> cybersecurity | Up to 8 Gbps |
| Maximum throughput <i>without</i> cybersecurity | Up to 20 Gbps |
| Standard WAN Transports | Up to 3 |
| LTE/5G WAN. | Backup only |
| Electronics and/or WAN high availability options | ✓ |
| Policy-based routing of Internet traffic to select pre-defined or best pathway based on real-time statistics. | ✓ |
| Split tunnel to route Internet-bound traffic via local Internet access | ✓ |
| SASE Client (Additional charges apply) | ✓ |
| Advanced Firewall supports Layer 3 and Layer 7 Firewall rules using deep packet inspection engine | ✓ |
| Content filtering prevents access to questionable or unscrupulous web sites and allows for geographic filtering | ✓ |
| IDS/IPS to detect suspicious or unauthorized activity such as phishing attacks, virus infection, malware installation, and more. | ✓ |
| Integrate with your own cybersecurity rather than use LP provided security | ✓ |
| Multi Factor Authentication (via third-party integration; additional charges may apply) | ✓ |



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How Can We
Help You?