

# Lumen<sup>SM</sup> SD-WAN With Cisco Meraki

Simplified network management.

Maximized performance, visibility and security.

Lumen SD-WAN with Cisco Meraki provides simplified, centralized cloud management for security, networking and application control. Built-in SD-WAN capabilities reduce operational costs and improve resource usage for multi-site deployments, allowing network administrators to use available bandwidth more efficiently and ensure the highest possible level of performance for critical applications. Inherent comprehensive security includes a stateful firewall and integrated advanced security to protect networks from ever-changing vulnerabilities.

## Most common use cases

### Simplified network management

Flexibly implement and manage routing policies, set traffic thresholds, user and access policies and manage security controls aligned with business needs across the entire network instantly.

### Enabling the intelligent use of multiple transports

Seamlessly integrate public transport with budget-friendly internet access (broadband, LTE) and leverage all bandwidth deployed versus having idle WAN links for failover.

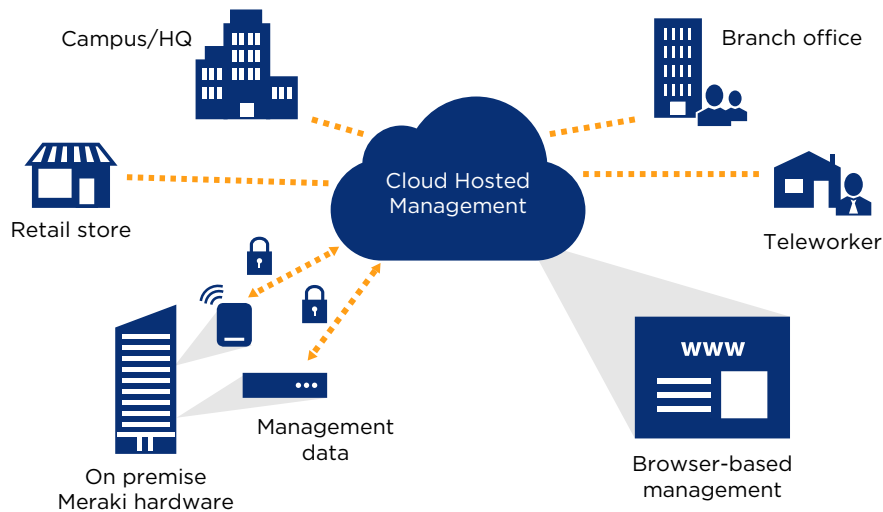
### SaaS Optimization

Easily enable direct, secure internet access from remote locations to optimize employee and customer access to critical cloud-based resources.

## Benefits

- **Optimize app performance and availability**  
Help increase user productivity by optimizing cloud and on-premises application performance with real-time analytics, visibility, and control.
- **Strengthen security**  
Minimize your security risk with our integrated next generation firewall and security features such as content filtering, intrusion detection and more.
- **Simplified network management**  
Get a fully centralized cloud management dashboard for security, networking and application control across your entire WAN and seamlessly control distributed multi-site networks and campus-wide Wi-Fi deployments.
- **Increased redundancy**  
Boost availability by taking advantage of dual active connections that fail over automatically with an LTE backup option.
- **Easy to deploy and scale**  
Complete single pane-of-glass visibility into all devices with support for single-touch provisioning for multi-site deployments.
  - One-time remote, web-based configuration templates that reduce implementation cycles
  - Simple, all-inclusive licensing
  - Cloud-based management to support seamless updates and scaling

## Deliver high-level performance for business-critical cloud applications



### Technical features and capabilities

- Real-time and historical analytics and reporting featuring network visibility and performance monitoring for latency, jitter, loss and MOS
- Intelligent routing and control including dynamic path selection
- Flexible WAN designs:
  - Support for up to two WAN ports
  - Deployment options that include bundled, over-the-top (OTT) or tailored solutions
  - Support for various connectivity options including dedicated internet, broadband and LTE
- Rapid deployment options with built-in LTE capabilities
- Wi-Fi capable hardware
- Integrated advanced security
  - Stateful firewall
  - Geo-IP based firewall rules
  - Content filtering
  - IDS/IPS
- Site-to-site auto VPN: securely connects branch locations using mesh or hub-and-spoke topologies
- Provides PCI 3.2 certified cloud-based management
- Service wrapper that includes design, deployment, configuration, site activation, appliance/circuit monitoring and event management, appliance and software updates, and 24/7 support of the entire WAN solution

### Why choose Lumen?

When you choose Lumen as your exclusive network provider, you get end-to-end service that completely eliminates the need to work between multiple providers for complete network transformation and optimization. Lumen SD-WAN with Cisco Meraki provides your business with a simple and secure SD-WAN solution with unsurpassed visibility and control using a simple, comprehensive web-based management tool—all for one monthly price.

Lumen is a proven leader in managing complex enterprise networks and equipment seamlessly. Our team of experts will design, deploy and manage any part of your SD-WAN implementation using best-practices developed over decades of experience with thousands of customers.



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