

# Meraki Technology Stack

## From Comcast Business

Scalable enterprise-grade networking and security in a single cloud-native platform



Modern IT teams are under pressure to manage increasingly complex infrastructures spanning multiple locations, hybrid workforces, and cloud-based applications. **Distributed businesses face mounting challenges in deploying, securing, and managing networks at scale**, and may be relying on legacy solutions that require manual configuration and various management tools. This can slow down deployment, increase operational overhead, and limit visibility and control. As organizations embrace cloud-first strategies and SaaS adoption, they must also contend with rising performance expectations and sophisticated security threats.

At the same time, rapid growth across distributed sites and the demand for digital-first experiences **require scalable, centrally managed networks that can adapt quickly**. IT teams, often resource-constrained, are expected to deliver reliable connectivity, intelligent security, and seamless expansion. To meet these demands, businesses need a unified platform that helps simplify operations, integrate networking and security, and empower teams to focus on strategic priorities rather than day-to-day maintenance.

## Solution Overview

Comcast Business's Meraki Technology Stack offers an enterprise-grade, cloud-first networking and security platform optimized for businesses. This solution **combines SD-WAN, WiFi, switches, and unified security management into a single, scalable stack** that helps simplify operations and enhance visibility across sites. Meraki Technology Stack offers robust capabilities used by large enterprises, without the need for multiple vendors.

Comcast Business offers Meraki Technology Stack as either a **fully managed or self-managed** experience, with flexible pricing to meet business needs. Whether operating on one site or hundreds, Meraki Technology Stack enables rapid deployment with visibility and proactive support—helping businesses stay connected and secure.

## Challenges for IT Teams



Legacy Wide Area Networks (WANs) that are inefficient and impractical for scaling



Visibility while adopting multiple clouds is complex

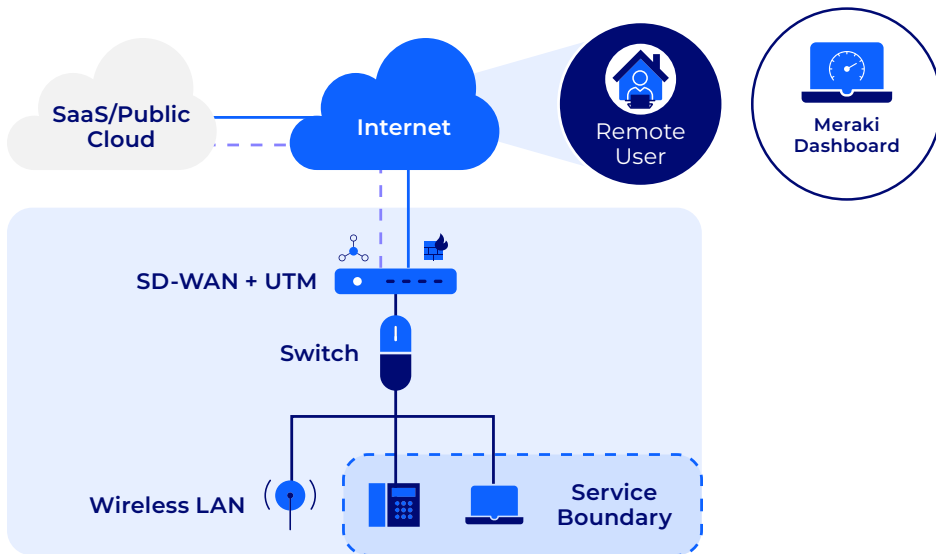


Too much time spent on repetitive, manual tasks that could be spent on strategic work



Employees need bandwidth optimized to their roles and responsibilities

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BUSINESS



#### INCLUDES

SD-WAN	Unified Threat Management (UTM)	Secure Remote Access (SRA)	Wired & Wireless LAN	Single Dashboard
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## Benefits to Your Business

- **Full-Stack Visibility:** One centralized dashboard provides real-time insights and control across SD-WAN, WiFi, switches, and security to see your entire network in a single pane of glass.
- **Network Optimization:** Access reliable, optimized bandwidth, routing, and security policies across your business.
- **Designed for Growth:** Scales site-by-site — from 1 to 1,000+ locations — with seamless device integration and consistent user experience across the network.
- **Flexible Stack, Built to Scale:** Start with core networking (e.g., SD-WAN, switching) and expand on-demand — adding WiFi, LTE failover, or IoT sensors — to match evolving business needs.
- **Choice of Management Model:** Available as fully managed or customer-managed — supported by Comcast Business's operational support teams and 24/7 monitoring.
- **Built-in Intelligence:** Backed by threat detection and UTM for reliable security.
- **End-to-end Lifecycle Expertise:** Comprehensive support spans solution deployment, patching, 24/7 proactive monitoring, and resolution.
- **Integrated Solution Delivery:** Seamless interoperability with Comcast Business's secure networking stack, including SD-WAN, UTM, and SASE.

## Use Cases

### Branch Security

Help protect your network against cyberthreats

### MPLS Replacement

Achieve cost and performance efficiencies while replacing fixed MPLS lines

### Improve SaaS Experience

Design a network where critical enterprise applications maintain high availability regardless of user location

### Secure Remote Workers

Adapt to today's dynamic needs of a hybrid workforce, ensuring access to your critical infrastructure across all possible locations

### Multi-Cloud Migration

Connect branches and remote workers to multi-cloud applications seamlessly with unified visibility and management

## Branch in a Box



### SD-WAN

with application-aware routing



### Unified Threat Management (UTM)



### WiFi & Switching

with centralized control



### Secure Remote Access (SRA)



### Modular Architecture

for plug-and-play deployment



### Single Dashboard

for full-stack visibility

Our modular and scalable reference architecture framework allows for mixing and matching between small, medium, and large devices depending on your specific business needs.

	HARDWARE
SD-WAN & UTM	<b>Small (400Mbps):</b> MX 67, MX 68 <b>Medium (1 Gbps):</b> MX 85 <b>Large:</b> MX 105
LAN Switching	<b>Small:</b> MS 130-8P-I <b>Medium:</b> MS 130-24P <b>Large:</b> MS 130-48X
Wi-Fi	<b>Small:</b> MR 36 <b>Medium:</b> MR 44 <b>Large (WiFi-6E):</b> CW9164I-MR <b>Outdoor:</b> MR 78
Secure Remote Access	Cisco AnyConnect VPN

# A Single, Intuitive Dashboard



<b>Dashboard Access</b>	<ul style="list-style-type: none"> <li>• <b>SAML / SSO</b> Access for dashboard utilizing SAML integration for both Comcast and customer users</li> <li>• <b>Mobile App</b> Customer can utilize mobile app to access the dashboard</li> </ul>
<b>Dashboard Features</b>	<ul style="list-style-type: none"> <li>• <b>Read/Write Access</b></li> <li>• <b>SD-WAN Analytics</b> <ul style="list-style-type: none"> <li>- VPN Analytics (Latency, Jitter, &amp; Usage)</li> <li>- Utilized Bandwidth (Download &amp; Total)</li> <li>- Connectivity Monitoring (Latency &amp; Loss)</li> <li>- Security Center and Event tracking</li> <li>- Application-aware Analytics</li> <li>- Built-in Testing Tools <ul style="list-style-type: none"> <li>◦ Throughput   ARP   Enhance Trace Route   Ping   Firewall Log</li> </ul> </li> </ul> </li> </ul>
<b>Managed Switch Features</b>	<ul style="list-style-type: none"> <li>• <b>Read/Write Access</b></li> <li>• <b>LAN Analytics</b> <ul style="list-style-type: none"> <li>- Client Usage</li> <li>- Client Tracking (MAC, IP, VLAN, PORT)</li> <li>- Connectivity Monitoring (uptime/downtime)</li> <li>- Port Configuration and Utilization <ul style="list-style-type: none"> <li>◦ Type, VLAN, Traffic Sent/Received, CDP, PoE</li> <li>◦ Power Usage</li> </ul> </li> <li>- Built-in Testing Tools <ul style="list-style-type: none"> <li>◦ Port Cycling   Cable Testing   Wake Client   Enhance Trace Route   Ping</li> </ul> </li> <li>- Mac Forwarding Table</li> </ul> </li> </ul>
<b>WLAN Features</b>	<ul style="list-style-type: none"> <li>• <b>Read/Write Access</b></li> <li>• <b>Client Managed 802.1x Account WLAN Access</b></li> <li>• <b>Optional OWE Encryption with Splash Page for Open WLAN Access</b></li> <li>• <b>Meraki MR Analytics</b> <ul style="list-style-type: none"> <li>- User Connectivity Analytics</li> <li>- RF Spectrum Analytics w/ Live Channel Utilization</li> <li>- Connection Log</li> <li>- Air Marshal</li> </ul> </li> </ul>


# Enterprise-Proven

Comcast Business Meraki Technology Stack combines our trusted network expertise and 99.99% network reliability with adaptive technology to deliver a single, integrated solution with the infrastructure and experience trusted by some of the world’s largest enterprises.

Only Comcast Business offers the Meraki Technology Stack as a fully managed solution at scale—combining enterprise-grade capabilities with nationwide support, expert delivery and support, and flexible pricing to match business needs.

Since 2018, Comcast Business is the fastest growing and is now the **#1 Provider of Managed SD-WAN**, according to Vertical Systems Group’s 2024 U.S. Managed SD-WAN LEADERBOARD.

Additionally, for the **fourth consecutive year**, Information Systems Group (ISG) has named Comcast Business a Leader, the highest designation, in both **Managed SD-WAN Services** and **SDN Transformation Services** in the 2025 ISG Provider Lens™ Network – Software Defined Solutions and Services U.S. report.



VERTICAL  
SYSTEMS  
GROUP

LEADERBOARD

YEAR-END  
2024

U.S. Carrier Managed  
SD-WAN Services


RANK	SD-WAN PROVIDERS
1	Comcast Business
2	AT&T
3	Verizon
4	Lumen
5	Hughes
6	Windstream

CHALLENGE TIER *(in alphabetical order)*

Aryaka | Cogent | Cox Business | Fusion Connect  
MetTel | Spectrum Enterprise | TPx | Zayo


Rankings based on installed and billable  
U.S. Managed SD-WAN sites at year-end 2024

www.verticalsystems.com

2025 Quadrant

Network – Software-Defined Solutions and Services  
Managed SD-WAN Services

Leader, U.S.



2025 Quadrant

Network – Software-Defined Solutions and Services  
SD-Networks Transformation Services  
(Consulting and Implementation)

Leader, U.S.



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To find out more, contact your Comcast Business representative.