LAN services

Secure WiFi & Analytics from Meraki

Visibility, control and insights

Secure WiFi & Analytics from Meraki enables greater customer loyalty and empowers employees with reliable and secure WiFi access while gaining deep visibility and rich business intelligence.

Optimized performance via the cloud

Leverage real-time analytics to gain a deeper understanding of user behavior and traffic

Benefit from high-performance access points, featuring cloud-based radio frequency (RF) optimization with spectrum analysis

Adapt performance automatically without tedious manual tuning of wireless parameters

Enhanced CPU and memory

Enable Layer 7 application traffic shaping and packet processing at the network edge

Enable enforcement of Layer 3-7 firewall policies, application QoS, Network Access Control (NAC) and more

Add capacity by deploying more devices without controller bottlenecks or choke points

High-capacity wireless

Obtain aggregate data rates of up to 1.9Gbps through industry-leading concurrent 802.11ac and 802.11n 3-stream MiMO radios

Get hundreds of megabits per second of user traffic delivered to thousands of devices

WE Connect for live, remote monitoring and troubleshooting tools

Monitor and troubleshoot networks and devices from anywhere

Monitor infrastructure health and troubleshoot client connectivity issues

Make on-the-spot performance measurements on any part of the network, including spectrum analysis, throughput, ping and more

Technology experts

Design and installation

Integration with SD-WAN or MPLS network

Concierge Support

White glove Concierge support when combined with SD-WAN Concierge and OfficeSuite UC Concierge

How does secure WiFi deliver on your needs?

Scalable cloud-based WiFi
Deploys WiFi access without the cost and complexity of wireless controllers or overlay management systems.

High performance
Delivers superior performance in the highest density wireless environments and under intense interference conditions.

Unmatched visibility
Provides visibility into network users, devices and applications for deep insight and smarter management via an intuitive dashboard.

Analytics for business growth
Seamlessly integrates real-time location statistics across sites with social platforms to improve the user experience and customer engagement.

Access point models

					
	MR36	**MR44**	**MR46(E)**	**MR56**	**MR76**
Usage	Next-generation entry-level high-performance WIFi 6 AP with security-scanning radio and Bluetooth® Low Energy included.	Next-generation AP with WiFi 6 technology. Ideal for medium-density locations with security scanning and Bluetooth Low Energy included.	Next-generation AP with WiFi 6 technology. Ideal for high-density locations or focused wireless coverage with security scanning, Bluetooth Low Energy, and external antenna option.	Next-generation AP with WiFi 6 technology. Ideal for ultra-high-density and performance deployments. Security radio and Bluetooth Low Energy included.	Rugged/outdoor high-performance WiFi 6 wireless for outdoor campuses, industrial, point-point links, and outdoor location services.
Radio specification	• One 2.4 GHz 802.11b/g/n/ax • One 5 GHz 802.11a/n/ac/ax • One WIDS/WIPS • One Bluetooth radio • 1.7 Gbit/sec max rate • Two 2:2 MU-MIMO with beamforming	• One 2.4 GHz 802.11b/g/n/ax • One 5 GHz 802.11a/n/ac/ax • One WIDS/WIPS • One Bluetooth radio • 3 Gbit/sec max rate • Two 2:2 + 4×4:4 MU-MIMO with beamforming	• One 2.4 GHz 802.11b/g/n/ax • One 5 GHz 802.11a/n/ac/ax • One WIDS/WIPS • One Bluetooth radio • 3.5 Gbit/sec max rate • Four 4:4 MU-MIMO with beamforming	• One 2.4 GHz 802.11b/g/n/ax • One 5 GHz 802.11a/n/ac/ax • One WIDS/WIPS • One Bluetooth radio • 5.9 Gbit/sec max rate • Eight 8:8 MU-MIMO with beamforming	• One 802.11b/g/n/ax • One 802.11a/n/ac/ax • One WIDS/WIPS • One Bluetooth radio • 1.7 Gbit/sec max rate • Two 2:2 MU-MIMO and OFDMA with beamforming
Interface	One Gigabit Ethernet port	One 2.5 Multigigabit Ethernet port	One 2.5 Multigigabit Ethernet port	One 5 Gbps Multigigabit Ethernet port	• One Gigabit Ethernet port • Four External N-type connectors (antennas sold separately)
Power	802.3af PoE or DC power adapter	802.3af/at PoE or DC power adapter	802.3at PoE or DC power adapter	802.3at PoE or DC power adapter	802.3af PoE
Performance features	• Two 2:2 MU-MIMO and OFDMA • 160 MHz channels* • Priority voice, power save • (802.11e/WMM) • Hardware-accelerated encryption • Band steering	• Two 2:2 + 4×4:4 UL/DL MU-MIMO • and OFDMA • 160 MHz channels* • Priority voice, power save • (802.11e/WMM) • Hardware-accelerated encryption • Band steering	• Four 4:4 UL/DL MU-MIMO and OFDMA • 160 MHz channels* • Priority voice, power save (802.11e/WMM) • Hardware-accelerated encryption • Band steering • Removable antennas (MR46E)	• Eight 8:8 UL/DL MU-MIMO and OFDMA • 160 MHz channels* • Priority voice, power save (802.11e/WMM) • Hardware-accelerated encryption • Band steering	• Third radio dedicated to security and RF management • Priority voice, power save (802.11e/WMM) • Hardware-accelerated encryption • Band steering • Bluetooth low energy radio for • Bluetooth Low Energy radio for beacon and scanning
Dimensions	9.84 in x 4.72 in x 1.42 in (25 cm x 12 cm x 3.6 cm)	12.05 in × 5.06 in × 1.74 in (30.6 cm × 12.84 cm × 4.43 cm)	• 12.05 in × 5.06 in × 1.74 in (30.6 cm × 12.84 cm × 4.43 cm) (MR46) • 9.84 in x 4.72 in x 1.42 in (30.72 cm x 15.62 cm x 3.49 cm)(MR46E)	12.83 in × 5.54 in × 1.76 in (32.6 cm × 14.08 cm × 4.47 cm)	11.81 in × 6.02 in × 2.16 in (30.0 cm × 15.3 cm × 5.5 cm)
Weight	17.35 oz (0.5 kg)	26.07 oz (0.74 kg)	28.21 oz (0.8 kg) (MR46) 29.98 oz (0.85 kg) (MR46E)	35.27 oz (1 kg)	47.27 oz (1.34 kg)

* Hardware capable

To learn more about secure WiFi and Analytics , visit windstreamenterprise.com

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