Cisco Meraki MR46 - Radio access point

Wi-Fi 6 - 2.4 GHz - 5 GHz - DC power - cloud-managed

Group	Network Equipment
Manufacturer	Cisco
Manufacturer item no.	MR46-HW

Description

The Cisco Meraki MR46 is a cloud-managed 4x4:4 Wi-Fi 6 access point that raises the bar for wireless performance and efficiency. Designed for next-generation deployments in offices, schools, hospitals, retail, and hotels, the MR46 offers high throughput, enterprise-grade security, and simple management. The MR46 provides a maximum of 3.5 Gbps aggregate frame rate with concurrent 2.4 Ghz and 5 Ghz radios. A dedicated third radio provides real-time WIDS/WIPS with automated RF optimization, and a fourth integrated radio delivers Bluetooth scanning and beaconing. With the combination of cloud management, high performance hardware, multiple radios, and advanced software features, the MR46 makes an outstanding platform for the most demanding of uses - including high-density deployments and bandwidth or performance-intensive applications like voice and high-definition video.

Main features

Product Description	Cisco Meraki MR46 - radio access point - Wi-Fi 6 - cloud-managed
Device Type	Radio access point
Form Factor	External
Data Link Protocol	IEEE 802.11b, IEEE 802.11a, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac Wave 2, 802.11ax
Frequency Band	2.4 GHz, 5 GHz
Included Accessories	Mounting kit
Power Over Ethernet (PoE) Supported	PoE+
Power	DC 12 V (non-PoE) / 42.5 - 57 V (PoE+)
Dimensions (WxDxH)	30.6 cm x 12.84 cm x 4.426 cm
Weight	800 g

Extended details

	General
Device Type	Radio access point
Width	30.6 cm

Depth	12.84 cm
Height	4.426 cm
Weight	800 g
	Networking
Form Factor	External
Connectivity Technology	Wireless
Data Transfer Rate	3.5 Gbps
Line Coding Format	1024 QAM, OFDMA
Data Link Protocol	IEEE 802.11b, IEEE 802.11a, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac Wave 2, 802.11ax
Cloud-Managed	Yes
Frequency Band	2.4 GHz, 5 GHz
Status Indicators	Power, Boot State, status
Features	Firmware upgradable, Wireless Intrusion Detection System (WIDS), Wi-Fi Multimedia (WMM) support, Quality of Service (QoS), Maximum Ratio Combining (MRC), Wireless Intrusion Prevention System (WIPS), DiffServ Code Point (DSCP) support, Bluetooth Low Energy Beaconing, Unscheduled Automatic Power Save Delivery (U-APSD), SU-MIMO technology, AES encryption, guest access, opportunistic key caching (OKC), 4x4:4 MU-MIMO technology, packet aggregation, Orthogonal Frequency Division Multiple Access (OFDMA), Target Wait Time (TWT)
Encryption Algorithm	AES, TLS, TTLS, TKIP, WPA, WPA2-PSK, WPA2-Enterprise, WEP, EAP-SIM, WPA3-Enterprise, WPA3-Personal, WPA3-Enhanced Open
Authentication Method	MS-CHAP v.2, Extensible Authentication Protocol (EAP)
Compliant Standards	IEEE 802.1p, IEEE 802.11b, IEEE 802.11a, IEEE 802.3af, IEEE 802.11g, IEEE 802.1x, IEEE 802.11i, IEEE 802.11h, IEEE 802.11e, IEEE 802.11n, IEEE 802.11k, IEEE 802.3at, IEEE 802.11r, IEEE 802.11u, IEEE 802.11ac Wave 2, IEEE 802.11ax
	Aerial
Antenna	Internal
	Expansion / Connectivity
Interfaces	1 x 1/2.5GBase-T (PoE+) - RJ-45
	Miscellaneous
Included Accessories	Mounting kit
Compliant Standards	CSA, VCCI, ICES-003, EN55024, CISPR 22, FCC Part 15 B, RSS-102, UL 2043, RoHS, FCC Part 2, AS/NZS 4268, FCC Part 15 E, FCC CFR47 Part 15 C, EN 62311, EN 300 328, EN 50385, RSS-247, EN 301 489-1-17, EN 62479, EN 301 893, EN 55032, AS/NZS 2772, CB 60950, CB 62368, IFT, NOM-208, NCC LP0002
	Power
Power Over Ethernet (PoE) Supported	PoE+
Power Device	External power adapter

Voltage Required	DC 12 V (non-PoE) / 42.5 - 57 V (PoE+)
Power Consumption Operational	18 Watt
	Manufacturer Warranty
Service & Support	Limited warranty - replacement - lifetime
	Environmental Parameters
Min Operating Temperature	0 °C
Max Operating Temperature	40 °C
Humidity Range Operating	5 - 95% (non-condensing)

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