MERAKI MR SERIES ACCESS POINT MODEL COMPARISON

Cisco Meraki MR Series Cloud Managed Access Points are the world's first enterprise grade line of cloud managed WLAN access points, with a wide range of features! The different access points are ideal for indoor and outdoor environments, though all Meraki Access points come with the Enterprise Security License and Support Subscription. Check out the chart below to find the right access point for you.

Indoor Access Points

	MR20	MR30H	MR33	MR42
Usage	Basic wireless, very low-density deployments	In-room hotel or dormitory deployments that must service IP-enabled devices	Basic 802.11ac Wave 2 for futureproof deployments	General purpose 802.11ac Wave 2 for campus and enterprise
Radios	1 x 802.11b/g/n 1 x 802.11a/n/ac 1.3 Gbit/sec max rate 2x2:2 MU-MIMO with beamforming	1 x 802.11b/g/n 1 x 802.11a/n/ac 1 x WIDS/WIPS 1 x Bluetooth 1.3 Gbit/sec max rate 2x2:2 MU-MIMO with beamforming	1 x 802.11b/g/n 1 x 802.11a/n/ac 1 x WIDS/WIPS 1 x Bluetooth 1.3 Gbit/sec max rate 2x2:2 MU-MIMO with beamforming	1 x 802.11b/g/n 1 x 802.11a/n/ac 1 x WIDS/WIPS 1 x Bluetooth 1.9 Gbit/sec max rate 3x3:3 MU-MIMO with beamforming
Interface	1 x Gigabit Ethernet port	1 x Gigabit Ethernet input 1 x Gigabit Ethernet LAN port with 802.3af PoE 3 x Gigabit Ethernet LAN ports	1 x Gigabit Ethernet port	1 x Gigabit Ethernet port
Power	802.3af PoE (37-57 V) DC power adapter	802.3af PoE (37 - 57 V)	802.3af PoE (37 - 57 V) DC power adapter	802.3at/802.3af PoE (37 - 57 V) DC power adapter
Performance features	- 2x2:2 MU-MIMO - Priority Voice, Power Save (802.11e/WMM) - Hardware accelerated encryption - Band steering	- 2x2:2 MU-MIMO - Priority Voice, Power Save (802.11e/WMM) - Hardware accelerated encryption - Band steering	- 2x2:2 MU-MIMO - Priority Voice, Power Save (802.11e/WMM) - Hardware accelerated encryption - Band steering	- 3x3:3 MU-MIMO - Priority Voice, Power Save (802.11e/WMM) - Hardware accelerated encryption - Band steering
Physical Design	Mounting options: desktop, ceiling, wall Standard mounting hardware is included	Mounting hardware included for single gang wall jacks Hardware compatible with US, UK, EU, AU & Asia wall jacks	Mounting options: desktop, ceiling, wall, ceiling tile rail Standard mounting hardware is included	Mounting options: desktop, ceiling, wall, ceiling tile rail, cable junction boxes Standard mounting hardware is included
Operating Temperature	32 °F to 104 °F 0 °C to 40 °C	32 °F to 104 °F 0 °C to 40 °C	32 °F to 104 °F 0 °C to 40 °C	32 °F to 104 °F 0 °C to 40 °C
Mobility	Layer 2 roaming - PMK, OKC, 802.11r Layer 3 roaming - Distributed or centralized	Layer 2 roaming - PMK, OKC, 802.11r Layer 3 roaming - Distributed or centralized	Layer 2 roaming - PMK, OKC, 802.11r Layer 3 roaming - Distributed or centralized	Layer 2 roaming - PMK, OKC Layer 3 roaming - Distributed or centralized

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Indoor Access Points

	MR42E	MR52	MR53	MR53E
Usage	General purpose wireless, challenging RF, or focused coverage scenarios	Highest performance 802.11ac Wave 2 for high density campus, enterprise, and MU-MIMO	Highest performance 802.11ac Wave 2 with Multigigabit for high density campus, enterprise, and MU-MIMO	Performance-critical wireless for high-density, challenging RF, or focused coverage scenarios
Radios	1 x 802.11b/g/n 1 x 802.11a/n/ac 1 x WIDS/WIPS 1 x Bluetooth 1.9 Gbit/sec max rate 3x3:3 MU-MIMO with beamforming	1 x 802.11b/g/n 1 x 802.11a/n/ac 1 x WIDS/WIPS 1 x Bluetooth 2.5 Gbit/sec max rate 4x4:4 MU-MIMO with beamforming	1 x 802.11b/g/n 1 x 802.11a/n/ac 1 x WIDS/WIPS 1 x Bluetooth 2.5 Gbit/sec max rate 4x4:4 MU-MIMO with beamforming	1 x 802.11b/g/n 1 x 802.11a/n/ac 1 x WIDS/WIPS 1 x Bluetooth 2.5 Gbit/sec max rate 4x4:4 MU-MIMO with beamforming
Interface	1 x Gigabit Ethernet port	2 x Gigabit Ethernet port	1 x 2.5Gbps Multigigabit Ethernet port 1 x Gigabit Ethernet port	1 x 2.5 Gbps Multigigabit Ethernet port 1 x Gigabit Ethernet port
Power	802.3at PoE (37-57 V) DC power adapter	802.3at PoE (37 - 57 V) DC power adapter	802.3at PoE (37 - 57 V) DC power adapter	802.3at PoE (37-57 V) DC power adapter
Performance features	- 3x3:3 MU-MIMO - Priority Voice, Power Save (802.11e/WMM) - Hardware accelerated encryption - Band steering - Removable antennas	- 4x4:4 MU-MIMO - 160 MHz channels - Priority Voice, Power Save (802.11e/WMM) - Hardware accelerated encryption - Band steering	- 4x4:4 MU-MIMO - 160 MHz channels - Priority Voice, Power Save (802.11e/WMM) - Hardware accelerated encryption - Band steering	- 4x4:4 MU-MIMO - 160 MHz channels - Priority Voice, Power Save (802.11e/WMM) -Hardware accelerated encryption - Band steering - Removable antennas
Physical Design	Mounting options: desktop, ceiling, wall, ceiling tile rail Standard mounting hardware is included	Mounting options: desktop, ceiling, wall, ceiling tile rail Standard mounting hardware is included	Mounting options: desktop, ceiling, wall, ceiling tile rail, cable junction boxes Standard mounting hardware is included	Mounting options: desktop, ceiling, wall, ceiling tile rail, cable junction boxes Standard mounting hardware is included
Operating Temperature	32 °F to 104 °F 0 °C to 40 °C	32 °F to 104 °F 0 °C to 40 °C	32 °F to 104 °F 0 °C to 40 °C	32 °F to 104 °F 0 °C to 40 °C
Mobility	Layer 2 roaming - PMK, OKC, 802.11r Layer 3 roaming - Distributed or centralized	Layer 2 roaming - PMK, OKC, 802.11r Layer 3 roaming - Distributed or centralized	Layer 2 roaming - PMK, OKC, 802.11r Layer 3 roaming - Distributed or centralized	Layer 2 roaming - PMK, OKC, 802.11r Layer 3 roaming - Distributed or centralized

MERAKI MR SERIES ACCESS POINT MODEL COMPARISON

Outdoor Access Points

	MR70	MR74	MR84
Usage	Basic outdoor/rugged WLAN, very low density deployments	Rugged/outdoor general purpose WLAN, outdoor campuses, industrial, point-to-point links, outdoor location services	Highest performance 802.11ac Wave 2 with Multigigabit for tough RF and high-density environments
Radios	1 x 802.11b/g/n 1 x 802.11a/n/ac 1.3 Gbit/sec max rate 2x2:2 MU-MIMO with beamforming	1 x 802.11b/g/n 1 x 802.11a/n/ac 1 x WIDS/WIPS 1 x Bluetooth 1.3 Gbit/sec max rate 2x2:2 MU-MIMO with beamforming	1 x 802.11b/g/n/ac 1 x 802.11a/n/ac 1 x WIDS/WIPS 1 x Bluetooth 2.5 Gbit/sec max rate 4x4:4 MU-MIMO with beamforming
Interface	1 x Gigabit Ethernet port Integrated omni-directional antennas	1 x Gigabit Ethernet port Four external N-type connectors (antennas sold separately)	1 x 2.5 Gbps Multigigabit Ethernet port 1 x Gigabit Ethernet port Four external N-type connectors (antennas sold separately)
Power	802.3af PoE (37-57 V) DC power adapter	802.3af PoE (24 - 57 V)	802.3at PoE (21W max)
Performance features	- 2x2:2 MU-MIMO -vPriority Voice, Power Save (802.11e/WMM) - Hardware accelerated encryption - Band steering	- 2x2:2 MU-MIMO - Priority Voice (802.11e/WMM) - Enterprise grade CPU - Hardware accelerated encryption - Higher density support Band steering	- 4x4:4 MU-MIMO - 160 MHz channels - Highest density support - Priority Voice (802.11e/WMM) - Enterprise grade CPU - Hardware accelerated encryption - Band steering
Physical Design	Water and dust sealed (IP67 rated) Vibration and shock tested Mounting options: walls, vertical poles Mounting hardware included	Water and dust sealed (IP67 rated) Vibration and shock tested Mounting options: walls, horizontal / vertical / angled poles Mounting hardware is included	Water and dust sealed (IP67 rated) Vibration and shock tested Mounting options: walls, vertical poles Mounting hardware included
Operating Temperature	-4 °F to 131 °F -20 °C to 55 °C	-4 °F to 131 °F -20 °C to 55 °C	-4 °F to 131 °F -20 °C to 55 °C
Mobility	Layer 2 roaming - PMK, OKC, 802.11r Layer 3 roaming - Distributed or centralized	Layer 2 roaming - PMK, OKC 802.11r and 802.11K Layer 3 roaming	Layer 2 roaming - PMK, OKC, 802.11r Layer 3 roaming - Distributed or centralized

Shop all **Meraki MR Series Access Points on our website**. If you need additional help deciding on the right access point to get you can also **contact us** for a custom quote.