

Open-Mesh MR Series

Cloud managed networking for ^{a lot} less money.

Open-Mesh creates smarter, simpler networks. Built with the needs of business, education, retail and hospitality in mind, Open-Mesh MR Series access points work seamlessly with the CloudTrax cloud controller to deploy full-featured, professional wireless networks in minutes.

The Open-Mesh MR Series platform includes a dual-band access point, an outdoor enclosure, and CloudTrax, a free and easy to use enterprise grade cloud-based controller.

Open-Mesh proves how easy, powerful and reliable cloud-managed wireless networking can be.



MR Series Access Points

CLOUD-MANAGED WIRELESS LAN



Open-Mesh MR Series access points provide robust wireless LAN coverage anywhere you need to share a connection.

Each access point is a cloud-managed concurrent dual band 2.4 GHz and 5 GHz access point (wireless N or AC), router, mesh gateway and repeater all in one compact, reliable, high-performance package.

key features

- Zero config, plug and play networking
- Self forming, self healing mesh
- Free cloud-based network controller for complete control and monitoring
- Four SSIDs for public and private use
- Free iOS and Android monitoring apps
- Hardware Watchdog auto-restarts router after power spikes/outages



CLOUD MANAGED

What used to require a dedicated server can now be done through a browser and our free, cloud-based network controller, CloudTrax. CloudTrax is packed with powerful features to meet the demands of IT professionals, yet is easy enough to be deployed by someone with little to no network experience.



HIGH PERFORMANCE

Open-Mesh MR Series access points are designed to deliver all the features and performance you'd expect from enterprise-grade hardware at a fraction of the price. Features include dual band simultaneous 2.4GHz/5GHz, 3x3 configurations on wireless N or AC, Gigabit Ethernet, standard 802.3af PoE and more.



MESH ENABLED

Install units like traditional hardwired access points and add additional power-only units to extend coverage. All access points work together to form a self-organizing, self-healing encrypted mesh network with seamless roaming. Mesh allows you to balance performance with deployment flexibility in locations where additional cabling isn't always feasible.



WHITE LABELED

Open-Mesh is ideal for systems integrators, resellers and IT consultants because we don't put any logos on our boxes or access points. Even our cloud controller, CloudTrax, contains no links or references back to Open-Mesh. With no competing messages, your brand is the star of the show.

MR Series Enclosures

OUTDOOR INSTALLATION

The Open-Mesh MR Series outdoor enclosure lets you take MR Series access points outdoors for professional, modular WLAN installations anywhere.

With the narrower 180-degree antenna pattern of the MR Series access points, the outdoor enclosure is ideal for covering an outdoor sector or for short range point to multi-point deployments.



key features

- Weather-tight enclosure
- Pole and wall mountable
- Compact size
- Bright white, UV-stabilized ABS plastic



A PERFECT FIT

Open-Mesh makes it easy to get wireless coverage exactly where you need it. Out of the box, Open-Mesh MR Series access points can be installed in any indoor location like a ceiling (to cover a room) or wall (to cover a sector of a larger facility). And with the outdoor enclosure that mounts to a wall or pole, you can take your wireless network outside. Open-Mesh enclosures blend in seamlessly in any office, school conference facility or event venue.



SPECIFICATIONS

Size	Diameter: 8.0cm (3.1") Depth: 4.5cm (1.8")
Compatible Power Supplies	802.3af PoE recommended
Material	Bright white, UV-stabilized ABS plastic with rubber seal
Mounting options	Pole, wall
Warranty	1 Year

CloudTrax Network Controller

POWERFUL NETWORK MANAGEMENT



Say goodbye to on-site controllers. Build, manage and monitor your networks—across one site or thousands—through the cloud and your Internet browser. With no servers or software to install, CloudTrax is powerful enough to meet the demands of IT professionals yet easy enough to use by someone with little or no network experience.

key features

- Single point of configuration for one access point or thousands
- Automatic reporting and alerts
- Usage statistics and control with client device fingerprinting
- Layer 7 application ID
- Full captive portal/voucher system
- Free iOS and Android apps
- Zero cost license



MULTIPLE SSIDs

CloudTrax can broadcast multiple unique networks, some public and some private. Public networks can be customized with powerful captive portal features, while private networks can work seamlessly as an extension of your LAN. Each network can be uniquely named, left visible or hidden, and left open or password-protected with WPA/WPA2 encryption.



PROVEN RELIABILITY

The cloud controller lives in AWS data centers, running on EC2 and RDS technologies in multiple availability zones to maximize uptime even in the event of a failure at a single data center. Even if your devices lose connection with the cloud controller, your networks aren't affected. That's because no network traffic actually passes through the cloud controller.



AUTOMATIC ALERTS



Don't have time to check the network status every day? Don't worry. If any access point goes down and doesn't come back up, CloudTrax will automatically email you (and anyone else you designate) about it. Outage alerts are easy to turn on and off, and always keep you in-the-know when it comes to the health of your wireless network.



MOBILE APPS

CloudTrax includes free iOS and Android apps so you can build, manage and monitor your networks while on the go. You'll get up to the minute reports on user traffic, node status and mesh speed, all from your smart phone or tablet. For more control, simply log in to cloudtrax.com from any browser on any device.

Specifications

Access Point	 MR900 Wireless N	 MR1750 Wireless AC
Speed (Rated)	3x3 MIMO, 450 + 450 Mbps	3x3 MIMO 450 + 1300 Mbps
Radio: 2.5 GHz	11b/g/n: 2.412~2.484 GHz	11b/g/n: 2.412~2.484 GHz
Radio: 5 GHz	11a/n: 5.18-5.24 and 5.745-5.825 GHz	11a/n/ac: 5.18-5.24 and 5.745-5.825 GHz
Antenna	Six internal (2.4 GHz: 4 dBi; 5 GHz: 5 dBi)	Six internal (2.4 GHz: 4 dBi; 5 GHz: 5 dBi)
Power	20 dBm +/-2 (100 mw) flat power	Up to 28 dBm
Processor	AR9558 (Processor @ 700mhz MIPS74K + 2.4 GHz radio) + AR9580 (5 GHz Radio)	
Max users (recommended)	50-100 per AP	
SSIDs	4 (public and private)	
VLAN to SSID tagging	Yes	
Memory	128 MB	
Security	WPA/WPA2 Personal, WPA/WPA2 Enterprise, 802.1X RADIUS, captive portal, client isolation	
Zero Config Plug & Play	Yes	
Self Forming, Self Healing Mesh	Yes (mesh on both bands)	Yes (mesh on 2.4 GHz)
Hardware Watchdog CPU	Yes	
Cloud Management & Monitoring	Yes (free)	
iOS/Android Apps	Yes (free)	
Layer 7 Application Identification	Yes	
Device Fingerprinting	Yes	
Ethernet	1 Gigabit Ethernet	
PoE	802.3af 48v	
Power Supply Options	International 24v (US/EU/UK/AU)	
LED indicators	Power, Ethernet, 2.4 GHz, 5 GHz, Traffic	
Temperature	0-50 C	
Mounting options	Solid ceiling, wall, 9/16" or 15/16" drop ceiling (included); outdoor enclosure ODMRX00 (optional)	
Size and Weight	6.38" (diameter) x 1.5" (height) 0.52 Lbs	
Certifications	FCC, IC, CE, RCM (C-Tick)	
Warranty	1 Year	

Transmission pattern

