



Open-Mesh OM Series Wireless LAN

The world's only **modular, cloud-managed** wireless mesh system.

Open-Mesh creates ultra low-cost, zero config, plug-and-play wireless mesh networks that spread an Internet connection throughout a hotel, apartment, office, village, coffee shop, mall, campground, marina—and just about anywhere else.

The Open-Mesh OM Series includes all the components you need: a modular platform of access points and indoor and outdoor enclosures for easy, professional installation; CloudTrax, a free cloud-based network controller; and a global suite of power supplies and PoE solutions.

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



OM Series Access Points

CLOUD-MANAGED WIRELESS LAN



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

Each router is a cloud-managed access point, mesh gateway and repeater all in one compact, reliable, high-performance package. Choose the access point that's optimized to fit your needs: speed, external antenna or absolute lowest cost.

key features

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



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.



MESH ENABLED

Every Open-Mesh access point is mesh enabled. That means you can install units like traditional access points, hardwired to the Internet, and add additional units that only require power wherever you need to extend coverage. The access points automatically self form and self heal to provide optimal coverage and performance.



MODULAR

Open-Mesh access points and enclosures are designed to work seamlessly together. Just choose the access point that is optimized for your wireless demands—range, speed, or absolute lowest cost—then choose the enclosure that best fits your environment. Swap, upgrade, and move as needed: the possibilities are endless.



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.

OPEN-MESH

WWW.OPEN-MESH.COM

OM Series Enclosures

MODULAR INSTALLATION

Open-Mesh OM Series enclosures are designed to work seamlessly with OM Series access points for professional, modular WLAN installations in virtually any environment.

With Open-Mesh enclosures and access points, you can deploy enterprise-grade wireless networks at a fraction of the time and cost of traditional networks.



Indoor Wall Plug Enclosure

additional enclosure options



Indoor Ethernet Jack Enclosure



Indoor Ceiling Enclosure



Outdoor Wall/Pole Enclosure



A PERFECT FIT

Open-Mesh makes it easy to get wireless coverage exactly where you need it. With a series of easy to use enclosures, you can put your access points on a wall, a ceiling, a pole, a roof, an ethernet jack, and countless other places. Open-Mesh enclosures are designed specifically for the tiny, powerful OM Series access points and blend in seamlessly in any office, hotel, warehouse or apartment block. You see the wireless network, not the access point.



MODULAR BY DESIGN

Open-Mesh enclosures and access points are designed to work seamlessly together. First, choose the access point optimized for your wireless demands. Next, choose the enclosures that best fit your install environment: the indoor ceiling enclosure on any drop ceiling or any solid wall or ceiling; the indoor wall plug on any North American power outlet; the indoor ethernet enclosure on any ethernet jack; and the outdoor enclosure on any wall or pole. Swap, upgrade, move and replace as needed: the possibilities are endless.

CloudTrax Network Controller

POWERFUL NETWORK MANAGEMENT



Say goodbye to on-site controllers. What used to live in a dedicated on-site server can now be managed through the cloud and your Internet browser. CloudTrax controls and monitors any Open-Mesh access point. It's powerful enough to meet the demands of IT professionals, while easy enough to be deployed by someone with little to no network experience.

key features

- Single point of configuration
- Multiple SSIDs; public and private
- Automated outage alerts
- Full usage statistics and control
- Set upload and download caps
- Custom captive portal with pay options
- Free iOS and Android monitoring apps
- Zero cost licence



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.



AUTOMATED 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



MOBILE APPS

CloudTrax is the only cloud-based network controller with free iOS and Android apps, so you can keep an eye on 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.

Power and PoE

POWER UP ANYWHERE

Open-Mesh's line of low-voltage power supplies and PoE injectors allow the OM Series access points to be used reliably throughout your site and all around the world.



12-24v PASSIVE PoE

All Open-Mesh OM Series access points support 12-24v passive PoE, so the same cable that feeds your access point data can also provide power. With the use of a single-port, an eight-port, or a twelve-port rack mounted passive PoE injector, you can power your access points up to 300 feet away.

NEW: The OM2P-HS now supports standard 802.3af PoE, so you can power them from a standard PoE switch.

Note: OM2P, OM2P-LC and OM5P routers are not compatible with 48v PoE switches. Using a PoE switch or any power supply with more than 24v will void the warranty.



Clockwise from top left: single-port PoE injector; 8-port PoE injector; 12-port rack-mounted PoE injector.

why poe?





- Simple, fast, and clean installations
- No need for power outlets at AP site
- Centralized power management
- Low cost of install and ownership







GLOBAL POWER SUPPLIES

Open-Mesh provides a full range of power supplies that work in virtually every country around the world. For North American deployments, choose between a 12v supply built to fit inside the wall cover or a 18v supply that maximizes power for PoE runs up to 300 feet. For everywhere else, choose the 20v international power supply with EU, UK, AU and US plugs. Powering an enterprise-grade wireless network has

Specifications

Access Points	 OM2P-LC Extreme Value	 OM2P External Antenna	 OM2P-HS High Speed, Dual PoE	 OM5P High Speed, 5 GHz Band
Speed (Max)	150 Mbps	150 Mbps	300 Mbps	300 Mbps
Power at max speed	20 dBm (100 mw)	23 dBm (200 mw)	23 dBm (200 mw)	20 dBm (100 mw)
Antenna	Single Internal	Single external	Dual Internal	Dual Internal
Optimized for	Price	General use	Speed, PoE Switches	Speed, 5 GHz Band
Recommended enclosures	All Enclosures	Outdoor, Wall Plug	All Enclosures	All Enclosures
Processor	400 MHz Atheros AR9331 MIPS 24K	400 MHz Atheros AR9331 MIPS 24K	520 MHz Atheros AR9341 MIPS 74K	520 MHz Atheros AR9344 MIPS 74K
PoE	12-24v Passive (non-802.3af)	12-24v Passive (non-802.3af)	Standard 802.3af and 12-24v Passive	12-24v Passive (non-802.3af)
WLAN standard	802.11g/n 2.4 GHz	802.11g/n 2.4 GHz	802.11g/n 2.4 GHz	802.11a/n 5 GHz
Max users (recommended)	20-50 per AP	20-50 per AP	20-50 per AP	20-50 per AP
Max real per-user speed	80 Mbps	80 Mbps	95 Mbps	95 Mbps
Memory	64MB DRAM			
Zero config plug & play	Yes			
Self forming/healing mesh	Yes			
Hardware watchdog CPU	Yes			
Cloud controller	Yes			
iOS/Android apps	Yes			
Public and private SSIDs	Yes			
Ethernet	2 x 100 Mbps (WAN and LAN)			
Power supply options	US/EU/UK/AU			
LEDs	Power, Ethernet (2), WiFi			
Operating Temperature	0-50 C			
Size and weight	3.75" x 2.75" x 1" 0.52 Lbs			
Certifications	FCC, IC, CE, CTick			
Warranty	1 Year Repair or Replace			

Enclosures	 Outdoor	 Indoor Wall Plug	 Indoor Ethernet Jack	 Indoor Ceiling
Size	Height: 14.2cm (5.5") Width: 8.0cm (3.1") Depth: 4.5cm (1.8")	Height: 11.3cm (4.4") Width: 13.6cm (5.4") Depth: 4.86cm (1.9")	Height: 17.1cm (6.8") Width: 8.2cm (3.2") Depth: 3.2cm (1.3")	Depth: 3.3 - 4.5cm (1.3-1.8") Width: 15.9cm round (6.25")
Compatible access points	LC, OM2P, HS, OM5P	LC, OM2P, HS, OM5P	LC, HS, OM5P	LC, HS, OM5P
Compatible power supplies	PoE or any power supply (not placed in enclosure)	12v North American	PoE or any power supply (not placed in enclosure)	PoE or any power supply (not placed in enclosure)
Material	Bright white, UV-stabilized ABS plastic	Light almond ABS plastic. UL 94 HB flammability rated. RoHs compliant.	Bright white ABS plastic. UL 94 HB flammability rated. RoHs compliant.	Bright white ABS plastic. UL 94 HB flammability rated. RoHs compliant.
Mounting options	Pole, wall	North American electrical outlet (standard or decora)	Ethernet jack (1-gang electrical box)	9/16" & 15/16" drop ceiling rails; wall or ceiling
Warranty	1 Year Replace			