Open-Mesh Modular 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 system 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.

HOSPITALITY

HOUSING

SHOP
RETAIL

FOOD & BEV

OPEN-MESH

WWW.OPEN-MESH.COM

OM2P Series
Access Points

Open-Mesh's OM2P series of mesh 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 OM2P that's optimized to fit your needs: range, speed, 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
- Dual 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.

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.
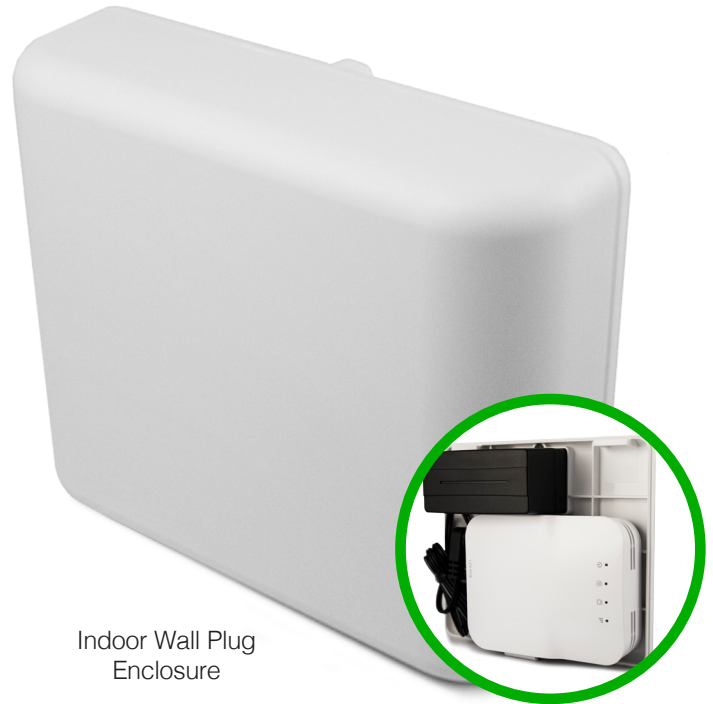
WHITE LABELED

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

OM2P Series
Enclosures

Open-Mesh's OM2P series of enclosures are designed to work seamlessly with the OM2P series of 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 OM2P series access points and blend in seamlessly in any office, hotel, warehouse or apartment block. You see the wireless network, not the access point.
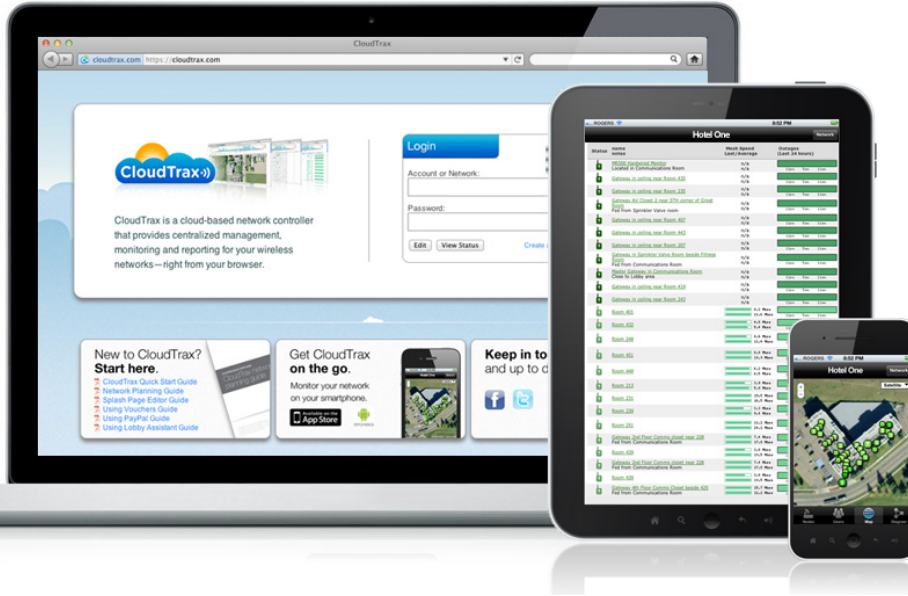
MODULAR BY DESIGN

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.

OPEN-MESH

CloudTrax
Network Controller

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

○ Manage all Open-Mesh access points
○ 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 perpetual 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 your wireless network.

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.

OPEN-MESH

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

12-20v PASSIVE PoE

All Open-Mesh access points support 12-20v 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.

Note: OM2P routers are not compatible with 48v PoE switches. Using a PoE switch or any power supply with more than 20v 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 never been easier.

Specifications

Access Points

	OM2P Best Range	OM2P-LC Best Price	OM2P-HS Best Speed
Speed (Max)	150 Mbps	150 Mbps	**300 Mbps**
Power	**26 dBm**	20 dBm	20 dBm
Antenna	Single External	Single Internal	Dual Internal
Optimized for	Range/Power	Price	Speed
Recommended enclosures	Outdoor, Wall Plug	All Enclosures	All Enclosures
Processor	400 MHz Atheros AR7240 MIPS 24Kc V7.4	400 MHz Atheros AR9330 MIPS 24Kc V7.4	520 MHz Atheros AR9341 MIPS 74Kc V4.12
WLAN Standard	802.11g/n 2.4 GHz		
Memory	64MB DRAM		
Zero Config Plug & Play	Yes		
Self Forming, Self Healing Mesh	Yes		
Hardware Watchdog CPU	Yes		
Cloud Controller	Yes		
iOS/Android Monitoring Apps	Yes		
Public and Private SSIDs	Yes		
Ethernet	2 (WAN and LAN)		
PoE	12-20v Passive (non-802.3af)		
Power Supply Options	US/EU/UK/AU		
LEDs	Power, Ethernet (2), WiFi		
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		

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	OM2P, LC, HS	OM2P, LC, HS	LC, HS	LC, HS
Compatible Power Supplies	Single port PoE injector included	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			

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