Open-Mesh OM Series Wireless LAN

Wireless networking, simplified.

Open-Mesh makes WiFi smarter and simpler. We help create low-cost, easy-to-use wireless networks that automatically spread Internet connections throughout hotels, apartments, small businesses, schools, homes—and just about anywhere else.

The Open-Mesh OM Series includes everything you need to deploy professional wireless networks across one site or thousands: a modular platform of access points and indoor and outdoor enclosures for easy, professional installation; CloudTrax, a free cloud-based network controller that can manage an unlimited number of access points and networks; and a global suite of power supplies and PoE solutions.

With the OM Series, Open-Mesh shows how easy, powerful and reliable cloud-managed wireless networking can be.

HOSPITALITY

HOUSING

SHOP

RETAIL

FOOD & BEV

OPEN-MESH

OM Series
Access Points

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

Each device is a cloud-managed access point, 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
- ○ Seamless roaming for continued connectivity across multiple APs
- ○ Dual SSIDs for public and private use
- ○ Free mobile apps for iOS and Android

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 network experience.

MESH ENABLED
Every Open-Mesh access point is mesh enabled. That means you can install units as 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 seamless coverage with automatic roaming.

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 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.
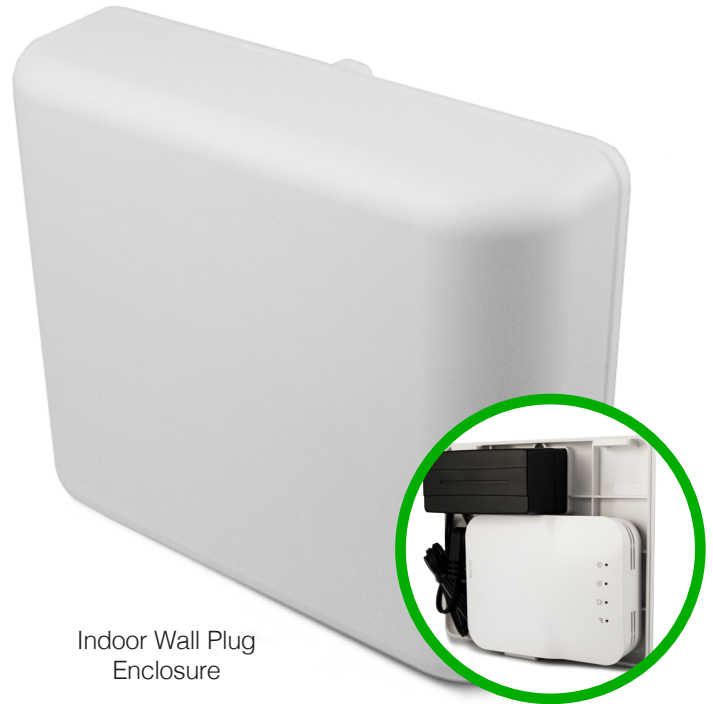
OPEN-MESH

OM Series
Enclosures

Open-Mesh OM Series enclosures are designed to work seamlessly with OM Series access points for professional modular WiFi 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

designed to fit

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 tiny, powerful OM Series access points to 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.

OPEN-MESH

WWW.OPEN-MESH.COM

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 browser or mobile app. 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 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 throttles
- Custom captive portal with pay options
- Free iOS and Android monitoring apps
- Zero cost license

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.

MOBILE APPS
CloudTrax is the only cloud-based network controller with free iOS and Android apps, so you can build, manage and monitor your networks while on the go. Create new networks in seconds, add new APs by simply scanning them, and swap old APs with new in moments. You have full access to the management and monitoring functions available at cloudtrax.com.

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 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.

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 within an hour, CloudTrax will automatically email you (and anyone else you designate). Outage alerts are easy to turn on and off, always keeping you in-the-know when it comes to the health of your wireless network.

OPEN-MESH

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

802.3af AND PASSIVE PoE

All Open-Mesh OM Series access points support 12-24v passive PoE, and the HS and AN models also support PoE-switch-friendly 802.3af PoE. PoE allows the same cable that feeds your access point data to also provide power. With either a PoE switch or our single-port, eight-port, or twelve-port rack-mounted passive PoE injector, you can power your access points up to 300 feet away.

Note: OM2P access points 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, 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 our 20v universal 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.

	OM2P External Antenna	**OM2P-HS** High Speed, Long Range	**OM5P-AN** Highest Speed, Dual Band
Speed (max)	150 Mbps	300 Mbps	450 Mbps (150+300)
Radio	802.11b/g/n 2.4 GHz	802.11b/g/n 2.4 GHz	1 802.11b/g/n 2.4 GHz + 1 802.11a/n 5 GHz
Antenna	Single external 1x1 (2.4 GHz)	Two internal 2x2 (2.4 GHz)	Three internal 1x1 (2.4 GHz) + 2x2 (5 GHz)
Power	23 dBm (200 mw) flat power	23 dBm (200 mw) flat power	19 dBm (79 mw) flat power
Range (approximate)	75-150' indoor (3-4 walls) 600' outdoor	75-150' indoor (3-4 walls) 600' outdoor	50-100' indoor (2-3 walls) 400' outdoor
Processor	400 MHz QCA9331 MIPS 24K	520 MHz QCA9341 MIPS 74K	700 MHz QCA9557 MIPS74K + QCA9882 (5 GHz radio)
Max users (recommended)	20-50 per AP	20-50 per AP	20-50 per AP
Max real per-user speed	80 Mbps	95 Mbps	135 Mbps
WLAN standard	802.11g/n 2.4 GHz	802.11g/n 2.4 GHz	802.11a/g/n 2.4 + 5 GHz
Memory	64MB DRAM		
Zero config plug and play	Yes		
Self-forming, self-healing mesh	Yes		
Seamless roaming	Yes		
Hardware watchdog CPU	Yes		
Free cloud management	Yes		
Free iOS/Android apps	Yes		
Captive portal w/ bandwidth throttling, splash pages and user controls	Yes		
SSIDs	1 public, 1 private		
SSID to VLAN tagging	Yes		
Ethernet (WAN and LAN)	2 x 100 Mbps	2 x 100 Mbps	1 x Gigabit 1 x 100 Mbps
PoE	12-24v Passive (non-802.3af)	Standard 802.3af and 12-24v Passive	Standard 802.3af and 12-24v Passive
Power supply options	US 12V 1A or Universal 20V 1.2A (US, UK, EU, AU)		
LEDs	Power, Ethernet (2), WiFi		
Temperature	0-50 C		
Recommended enclosures	Outdoor, Wall Plug	All Enclosures	All Enclosures
Size	3.75" x 2.75" x 1"		
Certifications	FCC, IC, CE, CTick		
Warranty	1 year		

OPEN-MESH

Specifications: Enclosures

	Outdoor Wall / Pole	Indoor Wall Plug	Indoor Ethernet Jack	Indoor Ceiling
Best use	Add coverage outdoors or use as a point-to-point solution	Add wireless mesh repeaters in places difficult to reach by cable	Use existing Cat5 wall outlets to add coverage in hotel rooms, apartments, dorms or office spaces	Mount access points on ceiling for classrooms, hallways or conference areas
Size	Height: 14.2 cm (5.5") Width: 8.0 cm (3.1") Depth: 4.5 cm (1.8")	Height: 11.3 cm (4.4") Width: 13.6 cm (5.4") Depth: 4.86 cm (1.9")	Height: 17.1 cm (6.8") Width: 8.2 cm (3.2") Depth: 3.2 cm (1.3")	Depth: 3.3 - 4.5 cm (1.3-1.8") Width: 15.9 cm round (6.25")
Compatible access points	OM2P-LC OM2P OM2P-HS OM5P OM5P-AN	OM2P-LC OM2P OM2P-HS OM5P OM5P-AN	OM2P-LC OM2P-HS OM5P OM5P-AN	OM2P-LC OM2P-HS OM5P OM5P-AN
Compatible power supplies	PoE or any power supply (not placed in enclosure)	12v North American only	PoE or any power supply (not placed in enclosure)	PoE or any power supply (not placed in enclosure)
Physical security	Screwdriver required to open	Small tab hidden on bottom; no flashing lights	Key required to open	None
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 North American electrical box)	9/16" & 15/16" drop ceiling rails; solid wall or ceiling
Warranty	1 Year			