



Open Mesh OM Series

Wireless networking, simplified.

Open Mesh makes WiFi smarter and simpler. We help create powerful, easy-to-use wireless networks that automatically spread Internet connections throughout hotels, apartments, retail stores, restaurants, small and medium-sized businesses—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, cost-effective and reliable cloud-managed wireless networking can be.



OM Series Access Points

CLOUD-MANAGED WIRELESS LAN



Open Mesh OM Series access points provide robust WiFi just about anywhere.

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
- Four SSIDs for public and private use
- Free mobile apps for iOS and Android



CLOUD MANAGED

What used to live in dedicated on-site servers can now be managed centrally through the cloud. Whether you are deploying a single access point or thousands across multiple sites, CloudTrax is powerful enough to meet the demands of IT professionals while easy enough for 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 and existing infrastructure. Swap, upgrade, and move as needed.



WHITE LABELED

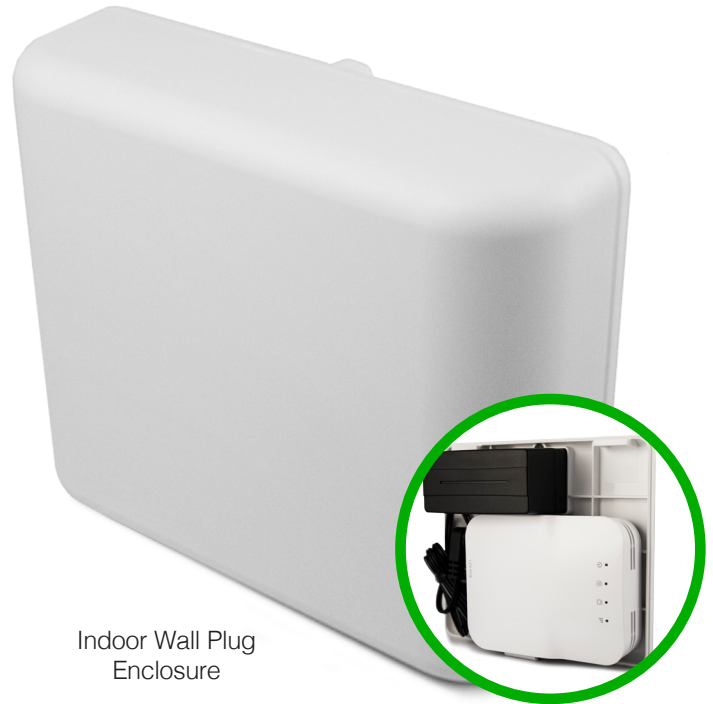
Open Mesh is ideal for systems integrators, resellers and IT consultants because we don't put any logos on our boxes or access points. Even our cloud controller, CloudTrax, contains no links or references back to Open Mesh. With no competing messages, your brand is the star of the show.

OM Series Enclosures

MODULAR INSTALLATION

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 custom-tailored wireless networks at a fraction of the time and cost of traditional networks.



Indoor Wall Plug Enclosure

designed to fit



Indoor Ethernet Jack Enclosure with pass-through



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.

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 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 for one access point or thousands
- Automatic reporting and alerts
- Usage statistics and control with client device fingerprinting
- Full captive portal/voucher system
- Free iOS and Android apps
- Zero cost license
- Full CloudTrax API (additional cost)



EASY SCALABILITY

Whether you're managing one site or thousands, CloudTrax is built to grow with you. Because there's nothing to configure on-site, adding new access points and network locations takes just seconds. Create new networks by cloning existing ones and provision new access points in just a click. CloudTrax makes it easy to get all of your networks behind a single pane of glass.



MOBILE APPS

CloudTrax includes 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 with zero typing or configuration. You have access to the full functionality available at cloudtrax.com and can switch between mobile and desktop seamlessly.



MULTIPLE SSIDs

CloudTrax can broadcast multiple unique networks, some public and others 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 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'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 AC 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 SUPPLY

Open Mesh provides an optional universal power supply that works in virtually every country around the world. Select the 24v international power supply with EU, UK, AU and US plugs during checkout.

Note that the indoor wallplug enclosure includes a 12v power supply built to fit inside.



Specifications: Access Points



OM2P
External Antenna,
Long Range



OM2P-HS
Higher Speed,
Long Range



OM5P-AC
Highest Speed,
Dual Band 802.11ac

| | | | |
|---|---|--|---|
| Best use | Cost-sensitive deployments or long-range mesh networks | General WiFi in uncongested environments | High-density deployments where mesh is not required |
| Speed (rated) | 150 Mbps | 300 Mbps | 1.17 Gbps (300+867 Mbps) |
| 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/ac 5 GHz |
| Antenna | Single external 1x1 (2.4 GHz) | Two internal 2x2 (2.4 GHz) | Two internal dual band 2x2 (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 | 25-50' indoor (1-2 walls) 100' outdoor |
| Processor | 400 MHz QCA9331 MIPS 24K | 520 MHz QCA9341 MIPS 74K | 720 MHz QCA9557 + QCA9882 MIPS 74K |
| Max users (recommended) | 20-50 per AP | 20-50 per AP | 20-50 per AP |
| Max real per-user speed | 80 Mbps | 95 Mbps | TBC |
| WLAN standard | 802.11g/n 2.4 GHz | 802.11g/n 2.4 GHz | 802.11a/g/n/ac 2.4 + 5 GHz |
| Memory | 64MB DRAM | 64MB DRAM | 128MB DRAM |
| Security | WPA/WPA2 Personal, WPA/WPA2 Enterprise, 802.1X RADIUS, captive portal, client isolation | | |
| Zero config plug and play | Yes | | |
| Self-forming, self-healing mesh | Yes (2.4 GHz) | | |
| 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 | 4 | | |
| SSID to VLAN tagging | Yes | | |
| Ethernet (WAN and LAN) | 2 x 100 Mbps | 2 x 100 Mbps | 2 x Gigabit |
| PoE | 12-24v Passive (non-802.3af) | Standard 802.3af and 12-24v Passive | Standard 802.3af and 12-24v Passive |
| Power supply options | Universal 24V 1A (US, UK, EU, AU); US 12V 1A (bundled w/ wallplug enclosure) | | |
| LEDs | Power, Ethernet (2), WiFi | | |
| Temperature | 0-50 C | 0-50 C | -10-50C |
| Recommended enclosures | Outdoor, Wall Plug | All Enclosures | All Enclosures |
| Size | 3.75" x 2.75" x 1" | | |
| Certifications | FCC (US), IC (Canada), CE (Europe), RCM (Australia, New Zealand) | | |
| Warranty | 1 year | | |

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 OM5P-AC | OM2P-LC OM2P OM2P-HS OM5P OM5P-AN OM5P-AC | OM2P-LC OM2P-HS OM5P OM5P-AN OM5P-AC | OM2P-LC OM2P-HS OM5P OM5P-AN OM5P-AC |
| Compatible power supplies | PoE or any power supply (not placed in enclosure) | 12v North American only (included) | 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 | | | |