

# 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.

## Diverse solutions



### Hospitality

Powerful, scalable cloud-managed WiFi that keeps guests coming back.



### Small/medium-sized business

Secure, cost-effective staff and guest networks built for any environment.



### Retail, food and beverage

Zero-touch deployment across 1 or 1,000's of locations. Compelling data and integrations.



### Housing

WiFi for new and old apartments, care homes and more with less cost and complexity.

# 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.



## Features

- Zero config, plug and play networking
- Self forming, self healing mesh
- Seamless roaming for continued connectivity across multiple APs
- Four SSIDs for public and private use
- Free cloud-based network controller for complete control and monitoring with no licensing or monthly fees

## Benefits



### 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, can be completely branded as your own cloud solution.\* With no competing messages, your brand is the star of the show.

# OM Series Enclosures

Custom, 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



Indoor Ceiling Enclosure



Outdoor Wall/Pole Enclosure

## Benefits



### 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.

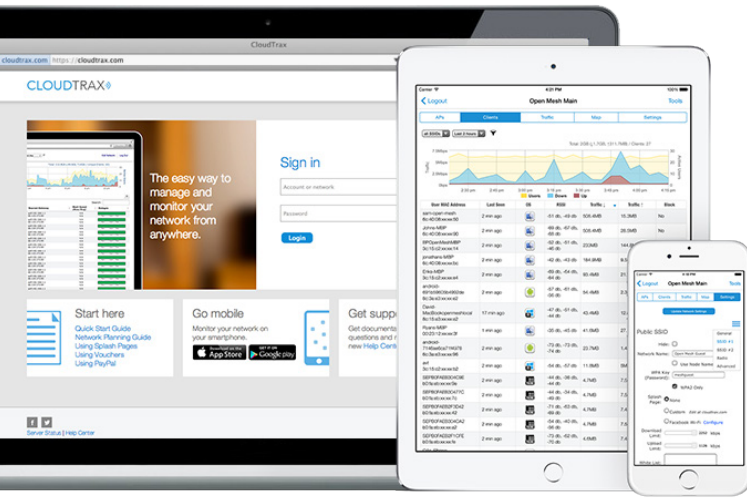


### Modular by design

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 Cloud Controller

Powerful network management



Say goodbye to onsite controllers – and monthly fees.

Build, manage and monitor your networks across one site or thousands through the cloud. With no servers or software to install, Open Mesh is powerful enough to meet the demands of IT professionals yet easy enough to use by someone with little or no experience.

## 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)

## Benefits



### 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.

# OM Series Specifications



## OM2P

External Antenna,  
Long Range



## OM2P-HS

Higher Speed,  
Long Range



## OM5P-AC

Highest Speed,  
Dual Band 802.11ac



<b>Best use</b>	Cost-sensitive deployments or long-range mesh networks	General WiFi in uncongested environments	High-density deployments where mesh is not required
<b>Speed (rated)</b>	150 Mbps	300 Mbps	1.17 Gbps (300+867 Mbps)
<b>Radio</b>	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
<b>Antenna</b>	Single external 1x1 (2.4 GHz)	Two internal 2x2 (2.4 GHz)	Two internal dual band 2x2 (2.4 GHz) + 2x2 (5 GHz)
<b>Power</b>	23 dBm (200 mw) flat power	23 dBm (200 mw) flat power	19 dBm (79 mw) flat power
<b>Power consumption (approximate)</b>	4W idle, 7W normal load, 10W heavy load	4W idle, 7W normal load, 10W heavy load	4W idle, 7W normal load, 11W heavy load
<b>Range (approximate)</b>	75-150' indoor (3-4 walls); 400'-500' outdoor	75-150' indoor (3-4 walls); 400'-500' outdoor	25-50' indoor (1-2 walls); 100'-200' outdoor
<b>Processor</b>	400 MHz QCA9331 MIPS 24K	520 MHz QCA9341 MIPS 74K	720 MHz QCA9557 + QCA9882 MIPS 74K
<b>Max users (recommended)</b>	20-50 per AP	20-50 per AP	20-50 per AP
<b>Max real per-user speed</b>	80 Mbps	95 Mbps	TBC
<b>WLAN standard</b>	802.11g/n 2.4 GHz	802.11g/n 2.4 GHz	802.11a/g/n/ac 2.4 + 5 GHz
<b>Memory</b>	64MB DRAM	64MB DRAM	128MB DRAM
<b>Zero config plug and play</b>	Yes		
<b>Self-forming, self-healing mesh</b>	Yes		
<b>Seamless roaming</b>	Yes		
<b>Hardware watchdog CPU</b>	Yes		
<b>Free cloud management</b>	Yes		
<b>Free iOS/Android apps</b>	Yes		
<b>Captive portal w/ bandwidth throttling, splash pages and user controls</b>	Yes		
<b>SSIDs</b>	4		
<b>SSID to VLAN tagging</b>	Yes		
<b>Ethernet (WAN and LAN)</b>	2 x 100 Mbps	2 x 100 Mbps	2 x Gigabit
<b>PoE</b>	12-24v Passive (non-802.3af)	Standard 802.3af and 12-24v Passive	Standard 802.3af and 12-24v Passive
<b>Power supply options</b>	Universal 24V 1A (US, UK, EU, AU); US 12V 1A (bundled w/ wallplug enclosure)		
<b>LEDs</b>	Power, Ethernet (2), WiFi		
<b>Temperature</b>	0-50 C	0-50 C	-10-50C
<b>Recommended enclosures</b>	Outdoor, Wall Plug	All Enclosures	All Enclosures
<b>Size</b>	3.75" x 2.75" x 1"		
<b>Certifications</b>	FCC (US), IC (Canada), CE (Europe), RCM (Australia, New Zealand)		
<b>Warranty</b>	1 year		

# OM Series Specifications



**Outdoor  
Wall/Pole**



**Indoor  
Wall Plug**



**Indoor  
Ethernet Jack**



**Indoor  
Ceiling**



<b>Best use</b>	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
<b>Size</b>	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")
<b>Compatible access points</b>	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
<b>Compatible power supplies</b>	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)
<b>Physical security</b>	Screwdriver required to open	Small tab hidden on bottom; no flashing lights	Key required to open	None
<b>Material</b>	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.
<b>Mounting options</b>	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
<b>Warranty</b>	1 Year			