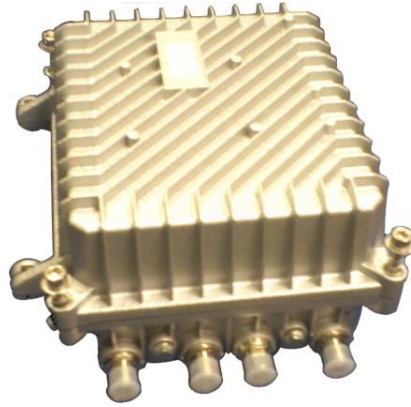


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# AMBLEMESH™ OM1 802.11N MESH ROUTER

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AmbleMesh™ OM1

## TECHNICAL SPECIFICATION

### Mobile Wireless Mesh

- Supports all 802.11 a/b/g/n devices
- Self configuration, self adjustment, self healing
- Intelligent routing and channel assignment
- Fast switching: every mesh node actively keeps a backup path, which enables efficient routing switch to the backup path if the main path is blocked
- Support mesh node mobility at a maximum relative node-to-node speed of 40km/hour
- Deliver 80mbps client data rate over 300 meters (line of sight)
- Flexibility, plug-and-play and easy to deploy
- Support both distributed and centralized optimization operation mode
- 24 BSSIDs and VLANs
- IEEE 802.11i support (AES, WEP, WPA, WPA2)
- Support IP video streaming
- Each radio may be configured to operate as access point for client access or mesh router for backhaul

### Centralized Management

- Automatically discovers controllers, download configuration settings and firmware upgrades
- Zero-touch, plug-and-play deployments
- Centralized and remote management and software upgrades via web-based GUI and CAPWAP
- Realtime visual representation of outdoor /indoor topology using Google Maps or user defined floorplan
- Realtime status monitoring of mesh gateway, mesh nodes and clients associations
- Statistic collection and graphical presentation of client associations and network throughput
- Logging and alerts
- ManagerBackup that provides realtime data synchronisation to the backup server with disaster recovery mechanism



### Physical Features

- One 56V 802.3at PoE injector
- Two Gigabit Ethernet port
- Three radios with 3x3 MIMO and 2 spatial streams
- Simultaneous 2.4GHz/5GHz dual band operation
- Nine N Female external antenna connectors
- Average TX Power 24dBm, +/-2dB
- Support 20-MHz and 40-MHz channel width
- Full weather proof with IP66
- Operating temperature: -20 to 50°C
- Storage temperature: -20 to 75°C
- One mounting kit