

AP 2-MP

2.4 GHz Indoor MIMO Access Point + Power Over Ethernet Gateway

Product Overview



The AP 2MP is a revolutionary MIMO indoor access point designed to bridge the gap between outdoor WISP CPE devices and indoor end-user networking equipment. This provides a vendor-neutral, customer endpoint connectivity solution, all in one device. The AP 2MP provides Power-over-Ethernet to almost any vendor CPE (including Deliberant, Motorola Canopy, Ubiquiti, and Tranzeo) while also providing

an unparalleled high performance indoor access point making use of industry leading MIMO (2x2) technology. The AP 2MP features external LEDs for power, LAN, and WLAN connectivity indication, and may be powered by either direct DC power or polarity independent power-over-ethernet (12V–24V). This product also integrates a 25 dBm total output power radio solution with a 3dBi dual-polarity antenna to provide superb indoor WiFi coverage.

The software features of the AP 2MP include a powerful Linux-based core OS that incorporates advanced routing techniques, the latest security technologies and an easy to use, Flex-based web user interface. The AP 2MP is also compatible with WNMS, a centralized configuration, firmware, and statistics server for carrier class management.

Key Features

- Operates as a robust indoor AP + provides vendor neutral PoE to outdoor CPE (all in one device)
- 802.11b/g/n AP—enhanced flexibility and performance
- 25 dBm total RF output power
- 3dBi dual-polarity antenna built-in for superior coverage
- Dual PoE built-in:
 - PoE input provides power the AP
 - PoE output powers outdoor CPE (vendor neutral)
- Latest security technologies
- Comprehensive software features
 - IP routing: static and dynamic (OSPF/RIP)
 - DHCP client/server/relay
 - DNS relay/proxy
 - 802.1Q VLAN Tagging/Untagging
 - Up to 16 Virtual Radios
 - Wireless QoS Support (WMM)
 - Bandwidth Control
- Comprehensive management features
 - Web GUI
 - Command line management via SSH
 - WNMS server support for configuration
 - SNMP V1/2/3 with traps supporting MIBs: 802.1, 802.1x, MIBII
 - Syslog support

Specifications

WLAN Standard

802.11 b/g/n MIMO (2x2)

Radio Scheme

802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK)

802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK)

802.11b: DSSS (CCK, DQPSK, DBPSK)

Frequency Range

2.3 GHz ~ 2.5 GHz (Country dependent)

RF Output Power

Up to 25 dBm total - Adjustable

Receiver Sensitivity

802.11n: -93 +/- 2dBm @ 6.5Mbps, -70 +/- 2dBm @ 300 Mbps

802.11g: -93 +/- 2dBm @ 6 Mbps, -75 +/- 2dBm @ 54 Mbps

802.11b: -96 +/- 2dBm @ 1 Mbps, -90 +/- 2dBm @ 11 Mbps

Data Rate

802.11n: MCS0 – MCS15

802.11g: 54 / 48 / 36 / 24 / 12 / 9 / 6 Mbps

802.11b: 11 / 5.5 / 2 / 1 Mbps

Power/External Ports

Ethernet Port 1: accepts 12V–24V* polarity-independent PoE

Ethernet Port 2: provides PoE power to external CPE (12V-24V)*

DC Power: accepts 12-24V DC

USB: reserved for future use

* PoE Power supply is provided with either pin 4/5(+) or 7/8(+) depending on CPE specifications

Antenna

2 x 3 dBi dual-polarity antenna built-in

Operating Mode

AP / AP Client

WDS (Wireless Repeater, Point-to-Point, Point-to-Multi-Point)

AP Router / AP Client Router

Security

Password Protection

WPA / WPA2 Personal/Enterprise (802.11i, 802.1x)

MAC Filtering

Hidden SSID Support

Static and Dynamic WEP

Enclosure

Sleek Enclosure, 80 mm(3.1 in.) x 100 mm(3.9 in.) x 20 mm(0.78 in.)

Operating Environment

Temperature: 0°C (+32 F) ~ +55°C (+131 F)

Humidity: 0 ~ 90% (non-condensing)

Regulatory

Certification: FCC/IC/CE

Safety: RoHS compliant

Warranty Period

2-Years

