

The APC 2M is a versatile, very efficient, and stable 2.4 GHz access point. This product is equipped with an extreme output power (up to 30 dBm) 802.11n MIMO radio wrapped securely inside a robust IP-65 compliant enclosure with two N-type connectors, suited for wide coverage area applications. The robust hardware is coupled with an advanced and feature-rich operating system optimized for high performance communications which allows compatibility with older 802.11b/g standards while adding support for the latest in wireless communications. The APC 2M supports access point, station, and WDS operating modes and

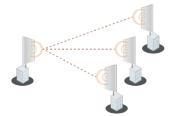
can act as bridge or as router making it one of the most flexible devices on the market.

The robust software engine running on the APC 2M provides a user-friendly Adobe Flex - based GUI with instant changes, includes useful installation tools (Site survey, Antenna alignment, Delayed reboot) and also is compatible with Wireless Network Management System for one of the most advanced management tools on the market.

Usage examples

PTMP

Deliberant APC 2M is an ideal device for point-to-multiple point applications as a basestation with and external sector or omni-directional antenna.



PTP

APC 2M is a great device for medium long range point-to-point applications with an external high-gain dual polarized anti-



nal high-gain dual polarized antenna (panel or dish).

Product/ distance recomendation	PTMP mode	PTP mode	PTP mode (full capacity)
APC 2M	Antenna dependent	Antenna dependent	Antenna dependent



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APC 2M



Wireless

WLAN standard IEEE 802.11 b/g/n

Radio mode MIMO 2x2

Operating modes Access point, Access point WDS, Client, Client WDS

Radio frequency band 2.4 GHz Transmit power Up to 30 dBm

Receive sensitivity Varying between -94 and -70 dBm depending on modulation

Channel size 20, 40 MHz

Modulation schemes 802.11 g/n: OFDM (64-QAM, 16-QAM, QPSK, BPSK)

802.11 b: DSS (CCK, DQPSK, DBPSK)

Data rates 802.11 n: 300, 270, 240, 180, 120, 90, 60, 30 Mbps

802.11 g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps

802.11 b: 11, 5.5, 2, 1 Mbps FEC, Selective ARQ, STBC

Duplexing scheme Time division duplex

Antenna

Error correction

N-connectors for external antenna Type

Gain Antenna dependent

Wired

Interface 10/100 Base-T, RJ45

Built-in surge protection Yes

Networking

Operating modes Bridge, Router

WAN Static IP, DHCP client, PPPoE client

NAT Routing w/ or w/o NAT

Static routing Supported

DHCP Client, Server, Relay

Port forwarding Supported

VLAN Supported for management and data

Security

WEP, WPA/WPA2 Personal, WPA/WPA2 Enterprise, WMM, WACL Wireless security

User isolation Supported

Softwave

General Ability to define/limit frequency, channel width, EIRP, modulation

All configurations are instant changes

Operating mode Router, Bridge

AP, Station, AP WDS, Station WDS, Virtual radios (VSSID) Wireless operating modes

Wireless security WPA/WPA2 Personal, WPA/WPA2 Enterprise, WACL, User isolation

Wireless QoS

WAN protocols Static IP, DHCP client, PPPoE client

Network NAT, static routing, firewall, port forwarding, VLAN

DHCP server, SNMP server, NTP client, Alerts, Remote syslog, Wireless and Ethernet statistics, bandwidth limiting Services

Management HTTP(S) GUI, SSH CLI, SNMP read, WNMS, troubleshooting file, reset via ICMP Tools Site survey, Link test, Antenna alignment, Ping, Traceroute, Spectrum analyzer



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APC 2M



Physical

Dimensions Length 150 mm (5.9 "), width 115 mm (4.5 "), height 55 mm (2.1 ")

Weight 400 g (16.2 oz)

12 - 48 V DC passive PoE Power supply

Power source 100 - 240 VAC via included adapter

Power consumption 7 W

Environmental

Operating temperature -20° C (-4 F) ~ +55°C (+131 F) 0 ~ 90 % (non-condensing) Humidity

Management

User-friendly web GUI, Command line via SSH, centralized Wireless Network Management System, reset to defaults via special ICMP packet System configuration

System monitoring SNMP v1/2c/3 server, Syslogs, system alerts via e-mail and SNMP trap

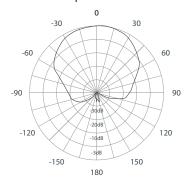
Regulatory

FCC/CE (*pending) Certification Safety RoHS compliant

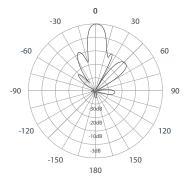
Antenna specifications

Recommended with our sector antenna: DLB2-14-60





Vertical pane:



Gain: 14 dBi

Horizontal beamwidth: 65° Vertical beamwidth: 18°

VSWR: ≤ 1.5

Connectors: N female Isolation: ≥28 dB

F/B ratio: ≥23 dB



*Note: This product has not been authorized by the rules of the Federal Communications Commission. This product may not be sold or leased, or offered for sale or lease, in the United States, until authorization has been obtained.







