

The APC 2Mi is a small, but robust and high performance 2.4 GHz access point designed for indoor and outdoor applications (not exposed to direct rain water). This product is equipped with an extreme output power (up to 30 dBm) 802.11n MIMO radio which allows communicating effectively older 802.11b/g equipment together with latest standards wireless devices. The APC 2Mi is coupled with an advanced and feature-rich operating system which allows the product to operate as an access point and as a station at the same time, also

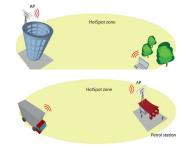
act as bridge and as router.

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

# **Usage examples**

## Hotspot

Deliberant APC 2Mi is an ideal device for hotspot applications working as indoor AP or with an external outdoor antenna for outdoor application.



## **Enterprise AP**

APC 2Mi is a carrier-grade feature rich device that can work as an enterprise access point allowing to configure multiple SSIDs and many more.







# APC 2Mi



## Wireless

WLAN standard IEEE 802.11 b/g/n, iPoll proprietary

Radio mode MIMO 2x2

Operating modes Access point (auto WDS), Station, Station WDS, iPoll Access Point, iPoll Station

Radio frequency band 2.4 GHz

Transmit power Up to 30 dBm (country dependent)

Receive sensitivity Varying between -94 and -74 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

Error correction FEC, Selective ARQ
Duplexing scheme Time division duplex

Receive sensi- tivity (dBm)	802.11 N/ iPoll	15 Mbps	30 Mbps	45 Mbps	60 Mbps	90 Mbps	120 Mbps	135 Mbps	150 Mbps
		-94	-92	-89	-86	-83	-78	-76	-74
		30 Mbps	60 Mbps	90 Mbps	120 Mbps	180 Mbps	240 Mbps	270 Mbps	300 Mbps
		-94	-92	-89	-86	-83	-78	-76	-74
	802.11g	6 Mbps	9 Mbps	12 Mbps	18 Mbps	24 Mbps	36 Mbps	48 Mbps	54 Mbps
		-94	-93	-92	-90	-87	-84	-79	-77
Output power (dBm)	802.11 N/ iPoll	15 Mbps	30 Mbps	45 Mbps	60 Mbps	90 Mbps	120 Mbps	135 Mbps	150 Mbps
		29	28	28	28	27	26	25	24
		30 Mbps	60 Mbps	90 Mbps	120 Mbps	180 Mbps	240 Mbps	270 Mbps	300 Mbps
		29	28	28	28	27	26	25	24
			_						
Out	802.11g	6 Mbps	9 Mbps	12 Mbps	18 Mbps	24 Mbps	36 Mbps	48 Mbps	54 Mbps

# **Antenna**

Type 2 x external omni-directional antenna

Gain 3 dBi

# Wired

Interface 10/100 Base-T, RJ45

# **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



# APC 2Mi



#### **Softwave**

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

Advanced wireless functionality ATPC (automatic transmit power control), auto-channel, auto-modulation

Operating mode Router, Bridge

Wireless operating modes AP auto WDS, Station, Station WDS, Virtual radios (VSSID), iPoll access point,

iPoll client

Wireless security WPA/WPA2 Personal, WPA/WPA2 Enterprise, WACL, User isolation, UAM (web

portal authentication)

Wireless QoS WMM

WAN protocols Static IP, DHCP client, PPPoE client

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

Services DHCP server, SNMP server, NTP client, Alerts, Remote syslog, Wireless and

Ethernet statistics, bandwidth limiting

Management HTTP(S) GUI, SSH CLI, SNMP read, WNMS, troubleshooting file, reset via reset tool

## **Physical**

Dimensions Length 123 mm (4.8 "), width 85 mm (3.3 "), height 20 mm (0.78 ")

Weight 280 g (9.8 oz)

Power supply 12 - 48 V DC passive PoE

Power source 100 – 240 VAC via included adapter

Power consumption 7 W

## **Environmental**

Operating temperature  $-20^{\circ}\text{C} (-4 \text{ F}) \sim +65^{\circ}\text{C} (+149 \text{ F})$ Humidity  $0 \sim 90 \% \text{ (non-condensing)}$ 

#### Management

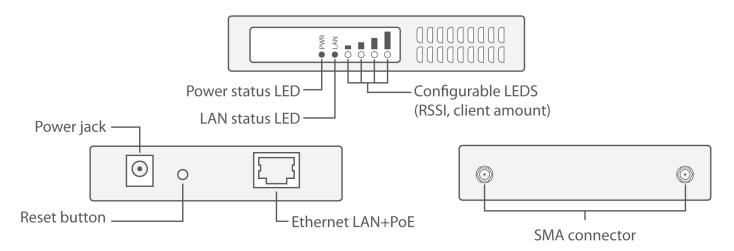
System configuration User-friendly web GUI, Command line via SSH, centralized Wireless Network

Management System, reset reset via reset tool

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

# Regulatory

Certification FCC/CE/Safety/ RoHS compliance



\*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.

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