



INDIO NETWORKS

DATASHEET

UniMax UM-530 AC

Dual Radio 802.11b/g/a/n/ac

Rugged Outdoor Access Point

The UM-530AC is an outdoor 802.11ac Wave1 compliant wireless access point. It offers aggregated link speed of upto 1200Mbps and supports 100+ users and, hence best suited for outdoor deployments such as bus stands, train stations, parkings, stadiums, malls etc. The AP comes in IP65 certified outdoor casing to withstand all types of weather conditions.

The AP supports PoE power supply and can be installed easily where power is not readily available.



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IDEAL DEPLOYMENT

UNIMAX-530AC
ACCESS POINT



About UniMax UM-530AC AP

UniMax UM-530AC AP is the perfect solution for venues that require outdoor wireless connectivity solution such as resort, theme parks, smart city, parking, mall, airport, stations etc. High link speed with high number of concurrent user handling capabilities make it an ideal choice for businesses which require dense deployment. The hardware is custom designed to meet outdoor deployment challenges and hence come in IP65 certified weather-proof housing.

All UniMax series AP comes with over-the-air firmware upgrade support and thus customers remain assured about getting new software feature releases through automatic upgrades.

FEATURES

Optimal link speed, New standard compliant

UniMax AP UM-530AC supports a total link speed of 1200 Mbps. It offers 900Mbps in 2.4GHz band and 300Mbps in 5GHz band. Support for 5GHz 802.11ac standard radio provides best alternative to minimize interference and offer optimal performance to high end user devices.

2x2 Multiple Input and Multiple Output (SU-MIMO)

UM-530AC AP supports SU-MIMO, allowing efficient utilization of available RF spectrum for data transmission. It helps deliver very high throughput by doubling the link speed of transmitting device as compared to old generation wireless devices. For receiving devices, MIMO improves receive sensitivity which translates into higher SNR and better download throughput.

Self-configuration, plug and play

All UniMax series APs are self-configurable and pure plug-and-play device. As soon as UM-530AC AP is powered on and connected to the network, it downloads the configuration from cloud or controller appliance and becomes operational within minutes.

Enterprise level security and Hotspot mode

All UniMax series APs come with support for enterprise level wireless security along with support for hotspot mode. Different level of security and VLAN isolation helps in delivering secured and seamless connectivity services.

KEY POINTS

- 802.11ac, Wave1, 100+ users
- Advance WiFi Features e.g. 2x2 MIMO and Transmit Beamforming
- Omni-directional high gain external antenna for wider coverage
- Operating temp : 0°C to + 55°C
- Aesthetic design to match outdoor deployment
- Shipped with wall or pole mounting brackets
- Managed by cloud, controller appliance or stand-alone mode
- Enterprise grade Outdoor AP
- Low power consumption < 18 W
- Made in India Access Point



AP characteristics

AP throughput and Max Users

Radios (built-in)

Radio operation modes

AP Managed

Antenna

Interface

POE

Power Consumption

2.4 Ghz Output Power

5.8 Ghz Output Power

Ports



TECHNICAL SPECIFICATIONS



1200Mbps; 100+ users (AP Model)

2.4GHz:802.11b/g/n; 5GHz: 802.11a/n/ac

Wi-Fi Access Point, Gateway, Router

Cloud, Controller Appliance managed & Stand alone mode

External dual band 5 dBi omni antennas

a/b/g/n/ac Wi-Fi certified

48 V POE Power

18 W max

26 dBm

26 dBm

2x 10/100/1000 Mbps Ethernet Ports, 1x 24V POE-in and 1x 24V POE-out



Regulatory Domains & Supported Channels

2.4 GHz : Channels 1 - 11
5 GHz : Channels 36-64, 100-144, 149-165

2.4 GHz : Channels 1 - 13
5 GHz : Channels 36-64, 100-144, 149-165

2.4 GHz : Channels 1 - 11
5 GHz : Channels 56-64, 100-144, 149-165

2.4 GHz : Channels 1 - 13
5 GHz : Channels 36-64, 100-144, 149-165

2.4 GHz : Channels 1 - 13
5 GHz : Channels 36-64

2.4 GHz : Channels 1 - 13
5 GHz : Channels 36-64, 100-144, 149-165

Americas (US)

European Union (EU)

Taiwan

Japan

Israel

Rest of the World

Environmental & Physical Data

Operating Temperature

-0~+55°C

Humidity

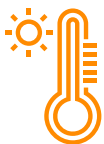
5~95%

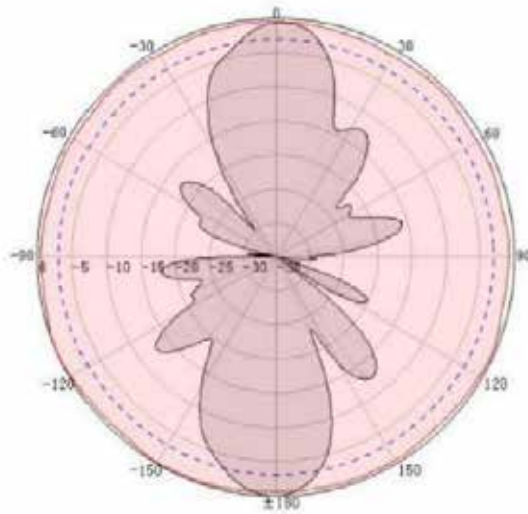
Dimension

280x220x75 mm approx

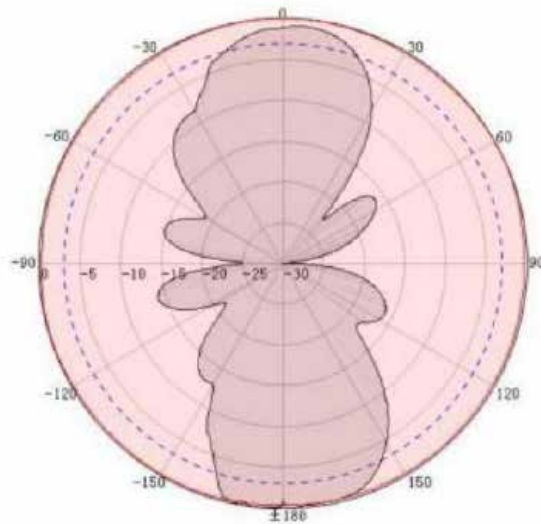
Mounting Type

Outdoor wall or pole mount





Frequency	Test surface	3dB width	peak level	Comparison gain	IPD (0)	XPD (60)	XPDFRR	Gain
2450	Vertical	24.95	-36.69dB					
2450	Horizontal	360.00	-38.09dB					4.86



Frequency	Test surface	3dB width	Before and after ratio	Comparison gain	IPD (0)	XPD (60)	XPDFRR	Gain
580	Vertical	44.05	0.91	5.71				
5800	Horizontal	360.00	0.21	5.09				5.31

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