

Wifi-soft
DATASHEET

**UniMax UM530N
Access Point**

UniMax UM530N is a long range solution for outdoor WiFi installations. It complies with IEEE 802.11b/g/n standards and offers speeds upto 300 Mbps. It comes with 2T2R MIMO antenna and provides high power to enable wifi coverage for large outdoor areas with a 1000mW radio.



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Wifi-soft
**UniMax UM530N
Access Point**
DATASHEET

IDEAL DEPLOYMENT

UniMax UM530N

ACCESS POINT

Shopping Malls

Smart Cities
& Public WiFi

College
Campus



UniMax UM530N comes with a rugged metal casing that is weather proof, dustproof and temperature controlled to work in harsh outdoor environments.

It supports passive/ 802.3af PoE so that it can be powered remotely over an Ethernet cable.

UniMax UM530N can be deployed in following scenarios :

1. Access Point
2. Repeater
3. CPE / Client



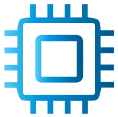
DEPLOYMENT SCENARIO

UM530N is deployed in outdoor environments and comes in an IP-67 weather proof casing that protects the device from rain, sun and snow.

UM530N can be easily mounted on poles using a metal wrap.

It can also be powered by a PoE injector (included) via two Ethernet ports.

UM530N comes with two 8 DBi fiberglass, omni-directional antennae for wider coverage.



Hardware

Wireless

Antenna

Interface

LED Light

Size

Power



TECHNICAL SPECIFICATIONS

802.11N, 2T2R 300M MIMO Technology

2 x 8 dBi Onmi Fiberglass antennas

1 10/100 Mbps RJ45 Port,
Supports 12~24V PoE 1
Reset Button

POWER, WIFI, WAN, LAN, S1

L: 153.2mm, W: 79.5mm, H: 234.5 mm

POE 24V/1A;110V/220V



RF Data

RF Data

Modulation

Data Rate

Receive Sensitivity

RF Output Power

TECHNICAL SPECIFICATIONS

802.11b/g/n:
2.4~2.4835 GHz
Korea, Japan, ETSI, FCC

OFDM = BPSK,QPSK, 16-QAM, 64-QAM
DSSS = DBPSK, DQPSK, CCK

300 Mbps

802.11n(2.4GHz)
-90dBm @ MCS0
-72dBm @ MCS7
-90dBm @ MCS8
-68dBm @ MCS15

802.11g
- 90dBm @ 6Mbps
- 72dBm @ 54Mbps

802.11b
- 95dBm @ 1Mbps
- 90dBm @ 11Mbps

802.11n(2.4GHz)(± 1.5dBm)
28dBm@ MCS0~2/MCS8~1
28dBm @ MCS3/MCS11
27dBm @ MCS4/MCS12
27dBm @ MCS5/MCS13
26dBm @ MCS6/MCS14
26dBm @ MCS7/MCS15

802.11g(± 1.5dBm)
28dBm @ 6~24Mbps
27dBm @ 36Mbps
27dBm @ 48Mbps
26dBm @ 54Mbps

802.11b(±1.5dBm)
28dBm @1~11Mbps

Working: 0°C~55°C
Storage: -20°C to 70°C

5%~95% (typical)

Environment

Temperature

Humidity

Firmware

Operation Mode

Protocol/Standard

Wireless

Security

Certifications

Gateway/AP/WiFi Repeater/WISP

IEEE 802.3(Ethernet)
IEEE 802.3u(Fast Ethernet)
IEEE 802.11b/g/n(2.4G WLAN)

Auto-Channel selection
Multiple SSID (4 SSID)

WEP Encryption-64/128/152 bit
WPA/WPA2 Personal (WPA-PSK using TKIP or AES)
WPA/WPA2 Enterprise (WPA-EAP using TKIP)
Hide SSID

FCC, CE,RoHS, WiFi Alliance

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