

UniMax UM510N



300 Mbps Wireless AP/Bridge

Built-in dual 14dBi polarized antenna
POE power supply dual LAN port design

UniMax UM-510N is wireless 2.4 GHz 300 Mbps Outdoor CPE, High Power Access Point and Network Bridge. UM-510N is specially designed for CMCC, CTCC, CUCC WiFi covering for outdoor installations. UM-510N comes with pole or wall mounting options for a simple installation. It can be powered via dual RJ45 PoE ports which function as a WAN and as LAN port.

UM-510N can be deployed in bridge and AP mode depending on the application. In bridging mode, it can be used to create P-2-P or P-2-MP wireless links between remote locations. In AP mode, it will provide connectivity to end users.



UM-510N can be deployed in following scenarios

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

UM-510N comes in attractive casing that can be easily mounted on wall or pole.

UM-510N is deployed in outdoor environment and comes in weather proof casing that protects the device from rain, sun and snow.

UM-510N can be easily mounted on poles using a metal wrap or can be screwed into the wall. It can be powered by PoE injector (included) via two Ethernet ports.



SPECIFICATIONS

Hardware

Chipset	MT7620A 580MHZ
Wireless	802.11N, 2T2R 300M MIMO Technology
Memory	256MB DDR2 RAM
Flash	16MB
Interface	2 10/100 Mbps RJ45 Port, support 12~48V PoE
	1 Reset Button
	1 DC Jack, 12V Power Supply
Antenna	5dBi Omni Antenna
LED Light	POWER WIFI WAN LAN S1(GPIO9) S2(GPIO14) S3(GPIO11) S4(GPIO12)
Size	L 257mm , W: 87mm , H: 38 mm
Power	12V(POE 24V/48V)/1A;110V/220V

RF Data

RF Data	802.11b/g/n:		
	2.4~2.4835 GHz		
	Korea, Japan, ETSI, FCC		
Modulation	OFDM = BPSK, QPSK, 16-QAM, 64-QAM		
	DSSS = DBPSK, DQPSK, CCK		
Data Rate	300 Mbps		
Receive Sensitivity	802.11n(2.4GHz)	802.11g	802.11b
	-90dBm @ MCS0	- 90dBm @ 6Mbps	- 95dBm @ 1Mbps
	-72dBm @ MCS7	- 72dBm @ 54Mbps	- 90dBm @ 11Mbps
	-90dBm @ MCS8		
	-68dBm @ MCS15		
RF Output Power	802.11n(2.4GHz)(± 1.5dBm)	802.11g(± 1.5dBm)	802.11b(±1.5dBm)
	27dBm@ MCS0~2/MCS8~10	27dBm @ 6~24Mbps	27dBm @1~11Mbps
	26dBm @ MCS3/MCS11	26dBm @ 36Mbps	
	26dBm @ MCS4/MCS12	26dBm @ 48Mbps	
	27dBm @ MCS5/MCS13	25dBm @ 54Mbps	
	25dBm @ MCS6/MCS14		
	26dBm @ MCS7/MCS15		

Physical Property

Temperature	Working: 0°C~55°C
	Storage: -20°C to 70°C
Humidity	5%~95% (typical)

Firmware

Operation Mode	Gateway/AP/WiFi Repeater
Protocol/Standard	IEEE 802.3(Ethernet)
	IEEE 802.3u(Fast Ethernet)
	IEEE 802.11b/g/n(2.4G WLAN)
Wireless	Auto-Channel selection
	Distance Control (802.1x Ack timeout)
	Multiple SSID (4 SSID)
	BSSID
Security	WEP Encryption-64/128/152 bit
	WPA/WPA2 Personal (WPA-PSK using TKIP or AES)
	WPA/WPA2 Enterprise (WPA-EAP using TKIP)
Reset	Reset to factory default

Ideal For



College Campus



Shopping Malls



Smart Cities/Public WiFi

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