

UniMax UM305N



UniMax UM-305N is a Ceiling/Wall mount, indoor wireless Access Point using IEEE 802.11n protocol and MIMO technology. It offer transmission rates of 300 Mbps and is backward compatible with IEEE 802.11b/g equipment. The AP is powered by PoE power supply thus can be installed easily where power is not readily available. The AP is ideal for indoor ceiling or wall mount wireless installations for enterprises, schools, hotels, shopping malls and public places.

DETAILS

Name: UniMax UM-305N

Ethernet Port: 1

Chipset: MT7620N / 580 MHz

Wireless Power: 1000 mW

Channels: 1 – 13

Company: Wifi-soft Solutions

Wireless: IEEE 802.11 b/g/n

Wireless Speed: 300 Mbps

Mode: Access Point/ AP Client/
Gateway

Frequency: 2.4 ~ 2.4835 GHz

Application: Enterprise

Certifications: RoHS

RF: 2T2R

WEP: 64/128/152 bit

Antenna: Internal 5 Dbi Omni

Ideal for



Hotels & Resorts



Office Space



Classrooms & Campus



Restaurants

SPECIFICATIONS

Hardware	
MCU	MTK 7620A
RF	2T2R, 300Mbps MIMO tech , comply with IEEE 802.11N standard
Memory	16M
SDRAM	128M
Interface	2 x RJ-45 for 10/100 Mbps WAN/LAN Port (WAN Port support PoE)
	1 x Reset button(Reset & Factory Defaults)
	1 x Power DC Jack
Radio	1000 mW High Power
Power	PoE: IEEE 802.3af PoE; DC: 12V/1A; 110V/220V
Antenna	Airgain MIMO 5dbi antenna
Size	16.8*4.5CM

Radio Frequency			
Frequency	802.11b/g/n:		
	2.4~2.4835GHz		
	U.S.,Europe and Japan product covering 2.400 to 2.4835 GHz,programmable for different country regulations		
Modulation	OFDM = BPSK,QPSK, 16-QAM, 64-QAM		
	DSSS = DBPSK, DQPSK, CCK		
Throughput	300 Mbps		
Sensitivity	802.11n(2.4GHz)	802.11g	802.11b
	-90dBm @ MCS0	- 90dBm @ 6Mbps	- 95dBm @ 1Mbps
	-70dBm @ MCS7	- 72dBm @ 54Mbps	- 90dBm @ 11Mbps
	-90dBm @ MCS8		
	-68dBm @ MCS15		
Output Power	Radio1(WLAN1)		
	802.11n(2.4GHz)(± 1.5dBm)	802.11g(± 1.5dBm)	802.11b(±1.5dBm)
	26dBm@ MCS0~2/MCS8~10	26dBm @ 6~24Mbps	28dBm @1~11Mbps
	26dBm @ MCS3/MCS11	26dBm @ 36Mbps	
	26dBm @ MCS4/MCS12	26dBm @ 48Mbps	
	26dBm @ MCS5/MCS13	26dBm @ 54Mbps	
	26dBm @ MCS6/MCS14		
	26dBm @ MCS7/MCS15		

Software	
Operation Mode	Gateway/ AP/ 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)
	Hide SSID

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

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