

## IP-COM ILBE-M5 outdoor long range Point to Point CPE 5GHz 11AC 433Mbps, 23dBi, 20km (alt.Tenda O8)

Šifra: 11775  
Kategorija proizvoda: Mrežna oprema  
Proizvođač: IP-COM

**Cena: 7.100,00**



Wavebeam M5 5GHz 23dBi ipMax ac Outdoor CPE is designed to PtP&P2MP solutions for video surveillance transmission and wireless broadband access. Adopts of 11ac technology to deliver a high wireless rate for better performance. It features with 23dBi vertical polarization directional antenna to provide an efficient way to pick up and maintain a stable long range connection.

20+km transmission Range

Wavebeam M5 adopts of independent external power amplifier and 23dBi directional antenna to provide an efficient way to pick up and maintain a stable signal for a wireless network up to 20km.

ipMAX--IP-COM TDMA proprietary protocol

ipMAX is IP-COM TDMA (Time Division Multiple Access) proprietary protocol to improve performance and capacity for wireless P2MP outdoor application scenarios.

In outdoor enviroment, the CPE use highly directional antennas to connect to the Basestation from distances that can span several kilometers. the CPE can't sense each other, they become "hidden nodes" and cannot coordinate access to the wireless channel. Thus the Basestation experiences frequent collisions from stations transmitting simultaneously. As the network scales, these collisions build up exponentially, increasing latency and lowering throughput.

With ipMAX, it coordinate all the data transmission and allocates time to active clients to provide greater noise immunity performance when compared to the conventional 802.11 CSMA/CA (Carrier Sense Multiple Access / Collision Avoidance) protocol.

iLink--Auto-bridge Technology Enable it To Easy Setup

iLink is IP-COM proprietary auto-bridge technology. It enables the CPE or basestation in factory default settings connect to each other automatically after the device is powered on. It is very useful for the person who is not familiar with network knowledge, especilly for for CCTV surveillance transmission application.

Professional Outdoor Design

Equipped with IP65 waterproof enclouse and high quality hardware design, Wavebeam M5 can work in various weather conditions, such as sunshine, rainfall or extremely low/high temperature environment

Easy to Setup and Manage

Wavebeam M5 comes with a centralized management software that helps users easily to manage all the devices in the network from a single PC-CPE Controller.

Multiple Application Scenarios

Long-Distance Wireless Connection

One work as AP mode and another work as Station mode to create a long distance wrieless connecton for video surveillance and data transmission.

WISP(Client+Router) Mode

Wirelessly connect to WISP station/hotspot to share Internet to local wireless and wired network.

Dimensions: 391.5\*280\*223mm  
Deployment: Pole Mount  
Application Scenarios: PtP and PtMP wireless connection for Privated ISP access or CCTV Surveillance  
Hardware Features  
Frequency Range: 5GHz  
Compliant Standards: IEEE 802.11a/n/ac  
Private TDMA Protocol: ipMAX  
Maximum Wireless Rate: 433Mbps  
Interfaces: 1\*10/100Mbps Ethernet Port  
Antennas Gain: 23dBi  
Antenna Beamwidth: Vertical Azimuth: 10° Vertical Elevation: 10°  
Reset Button: 1  
Power Consumption: 5.5W  
Waterproof Level: IP65  
LED indicator: PoE/LAN,LED1,LED2,LED3  
Power Method: 12V1A Passive PoE  
Lightning Protection: 6000V  
Passive PoE: Passive power over ethernet via PoE/LAN (+4,5pins; -7,8pins )  
Voltage range: 9-31V DC  
Receiver sensitivity: 11a 6Mbps -95dBm±1.5dBm  
11n MCS7 HT20 -72dBm±1.5dBm  
11ac MCS9 HT80 -64dBm±1.5dBm  
Software Features  
Operating mode: AP/Station/WISP/P2MP/WDS Repeater/Router  
Enable/Disable Wireless Radio: Support  
SSID Hidden: Support  
Wireless Client isolation: Support  
AP SSID Lock: Support  
SSID Isolation: Support  
Channel Bandwidth: 20/40/80MHz  
Client Limitation For SSID: Support  
Wireless Access Control: Support  
Weak Signal Client Limitation: Support  
Transmission Power: Adjustable power by 1dBm  
WMM Capable: Support  
APSD Capable: Support  
Wireless Security: 64/128 WEP,WPA-PSK,WPA2-PSK,WPA&WPA2-PSK,WPA,WPA2  
Transparent Bridge: Support  
VLAN Tagging for SSID: Support  
DHCP Server: Support  
VPN Pass-Through: PPTP,L2TP  
Remote Web access: Support  
Schedule Reboot: Support  
Page Timeout: Support  
Ping Watchdog: Support  
Dyndns noip, dyndns.org  
Network Diagnoses: Ping, Traceroute, Signal Scan  
Time&Date Setting: Support  
Firmware upgrade: Support  
Backup/Restore Configuration: Support  
Username Management: Support  
System Log: Support  
Managed By Controller PC Software -- CPE Controller  
Others  
Package Contents 1\*5GHz 23dBi ipMAX ac Outdoor CPE iLBE-M5V1.0  
1\*Power Adapter  
1\*PoE Injector  
1\*Quick Installation Guide  
Operating Temperature -30° ~ 60°  
Storage Temperature -40° ~ 70°  
Operating Humidity 10%~90% non-condensing

Storage Humidity 10%~90% non-condensing  
Default login IP 192.168.2.1  
Default Login Username admin  
Default Login Password admin  
Certifications FCC/CE/RoHS