

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

Šifra: 11500
Kategorija proizvoda: Ruteri
Proizvođač: IP-COM

Cena: **7.451,00** rsd.



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 Managerment: 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