

**IP-COM**

# CPE6S

5GHz 12dBi ipMAX ac Outdoor CPE

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## 5GHz 12dBi ipMAX ac Outdoor CPE

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### Product Description

CPE6S 5GHz Outdoor CPE is designed to PtP&P2MP solutions for video surveillance transmission and wireless broadband access. Adopts of 11ac wireless technology, the maximum wireless rate can be up to 867Mbps. It features with 12dBi dual polarization directional antenna to provide an efficient way to pick up and maintain a stable long range connection.



## Key Features

- 5GHz 11AC 867Mbps
- 12dBi directional antenna
- Four fast ethernet Port
- IP65 waterproof enclosure
- 6000V Lightning Protection
- 12V 1A DC/12V 1A Passive PoE supported

## Product Features



### 5+km transmission Range

CPE6S adopts of internal power amplifier and 12dBi directional antenna to provide an efficient way to pick up and maintain a stable signal for a wireless network up to 5km.



### Flexible power supply method enable it easy to deployment

CPE6S support 12V 1A Passive PoE and 12V 1A DC power supply optional. It helps the engineer to deployment the device flexibly.



### 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 environment, 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.

## Product Features

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### 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, especially for CCTV surveillance transmission application.



### Easy to Setup and Manage

CPE6S comes with a centralized management software that helps users easily to manage all the devices in the network from a single PC-CPE Controller.



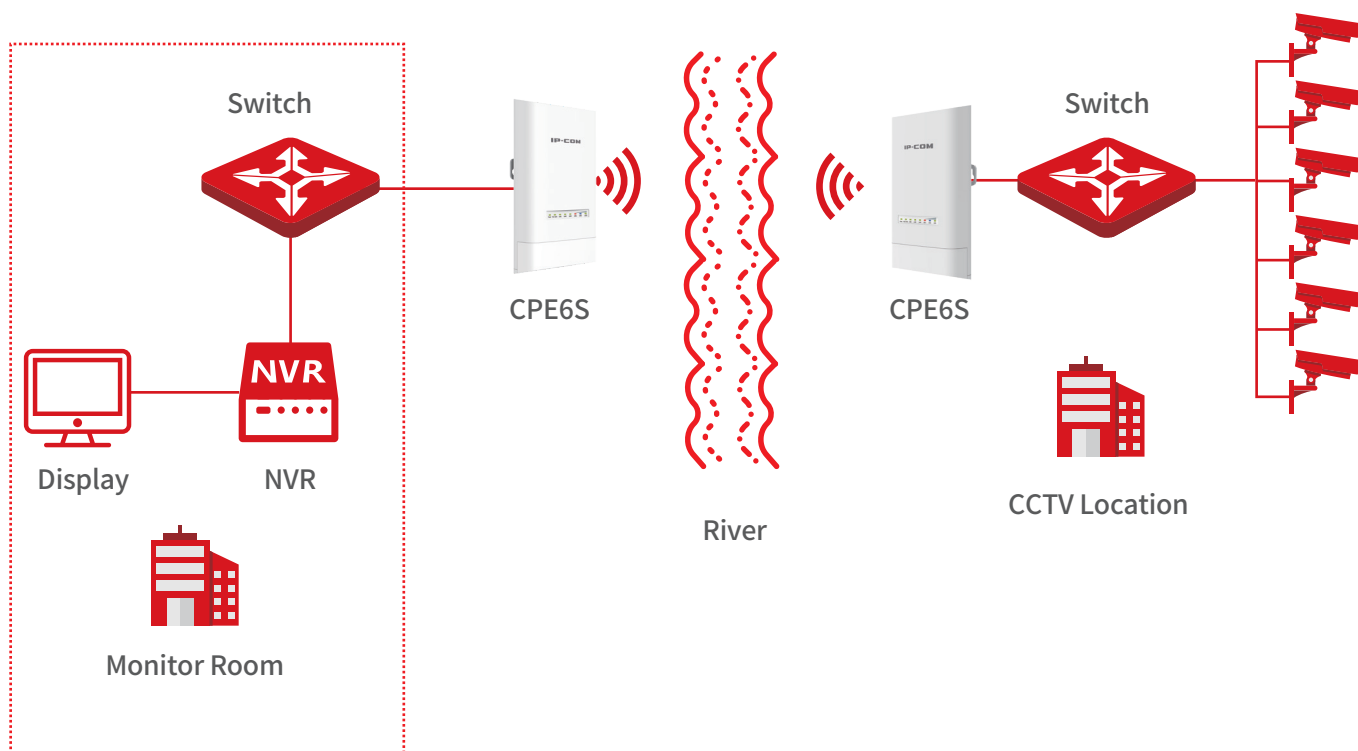
### Professional Outdoor Design

Equipped with IP65 waterproof enclouse and high quality hardware design, CPE6S can work in various weather conditions, such as sunshine, rainfall or extremely low/high temperature environment

## Application Scenarios

CPE6S 5GHz Outdoor CPE is designed to PtP&P2MP solutions for video surveillance transmission and wireless broadband access.

### CCTV Video Surveillance



### Private ISP Internet Access



## Related Product

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Microstation 5AC

- \* 10+km transmission range
- \* 5GHz 11AC 867Mbps
- \* 16dbi directional antenna
- \* IP65 waterproof enclosure
- \* 6000V Lightning Protection
- \* AP,Station,WISP operating mode supported



Wabebeam 5AC

- \* 25+km transmission range
- \* 5GHz 11AC 867Mbps
- \* 23dbi directional antenna
- \* IP65 waterproof enclosure
- \* 6000V Lightning Protection
- \* AP,Station,WISP operating mode supported



Basestation 5AC

- \* 5GHz 11AC 867Mbps
- \* 2\*RP-SMA connector
- \* IP65 waterproof enclosure
- \* 6000V Lightning Protection
- \* AP,Station,WISP operating mode supported



ANT19-5G120

- \* 19dBi Dual Polarity Sector Antenna
- \* Frequency Range 5100~5850MHz
- \* Horizontal 120° Vertical 120° Elevation 4°
- \* 2\*RP-SMA Connector
- \* 5+km transmission range with Basestation 5AC

# Specifications

Product Information	
Model	CPE6S
Dimensions	193*109*61mm
Deployment	Pole/Wall 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	867Mbps
Interfaces	4*10/100Mbps Ethernet Port
Antennas Gain	12dBi
Antenna Beamwidth	Horizontal: 30° Vertical: 30° Elevation: 30°
Reset Button	1
Power Consumption	4.7W
Waterproof Level	IP65
LED indicator	Power,PoE/LAN1,LAN2,LAN3,LAN4LED1,LED2,LED3
Power Method	12V1A Passive PoE 12V 1A DC
Lightning Protection	6000V
PoE 802.3af/at	/
Passive PoE	Passive power over ethernet via PoE/LAN (+4,5pins; -7,8pins ) up to 60 meters Voltage range: 11-13V DC

# Specifications

Hardware Features	
Receive sensitivity	11a 6Mbps -92dBm±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
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



# Specifications

Software Features	
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 12dBi ipMAX ac Outdoor CPE 1*Power adapter 1*PoE Injector 1*Quick Installation Guide
Operating Temperature	-30°C ~ 60°C
Storage Temperature	-40°C ~ 70°C
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

**IP-COM**  
World Wide Wireless

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