BS9

5GHz 867Mbps ipMAX ac Gigabit Basestation

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Products Description

BS9 5GHz 867Mbps ipMAX ac Gigabit Basestation is designed for privated ISP internet access and CCTV surveillance. Features with two RP- SMA connector enable it to pair with dish antenna or sector antenna to establish PtP backhaul connection and P2MP link. It adopts IP-COM TDMA (Time Division Multiple Access) proprietary protocol--ipMAX to improve P2MP connectivity performance and capacity. Also it supports IP-COM proprietary setup technology--iLink, two devices or multi devices can be connect to each other automatically without login into Web UI. It is a ideal solution for rural and island area wireless access and CCTV surveillance transmission.

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Key Feature

- 5GHz 11AC 867Mbps.

- One Gigabit Ethernet Port.

- Two RP-SMA Connector.

- IP65 waterproof enclosure.

- 6000V Lightning Protection.

- AP,Station,WISP operating mode supported.

Product Features

P2P connection throughput up to 450+Mbps

BS9 adopts of 11AC wave2 technology, it delivers 867Mbps speed rate at 5GHz radio.
Come with Gigabit ethernet LAN port design , the maximum throughput test for PtP
connection can be up to 450Mbps.

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 Bas-
estation 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 transmit-
ting 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

iLink--Auto-bridge technology enable it to easy setup

iLink is IP-COM proprietary auto-bridge technology, It enables the basestation or CPE in factory default settings connect to each other automaticaly 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.

Easy to Setup and Manage

BS9 comes with a centralized management software that helps users easily to manage all the devices in the network from a single PC-CPE Controller.
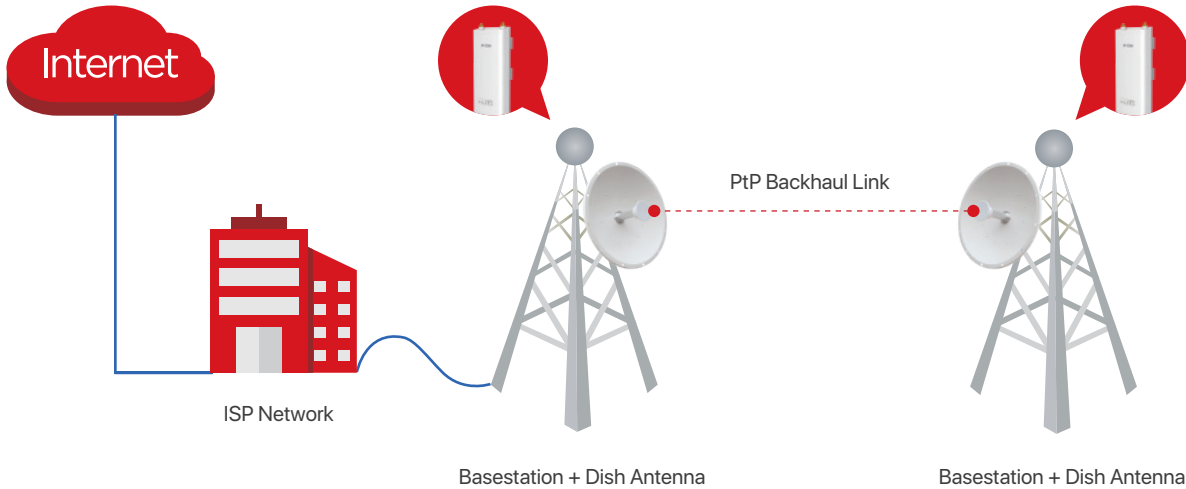
Professional Outdoor Design

Equipped with IP65 waterproof enclouse and high quality hardware design, BS9 can work in various weather conditions, such as sunshine, rainfall or extremely low/high temperature environment
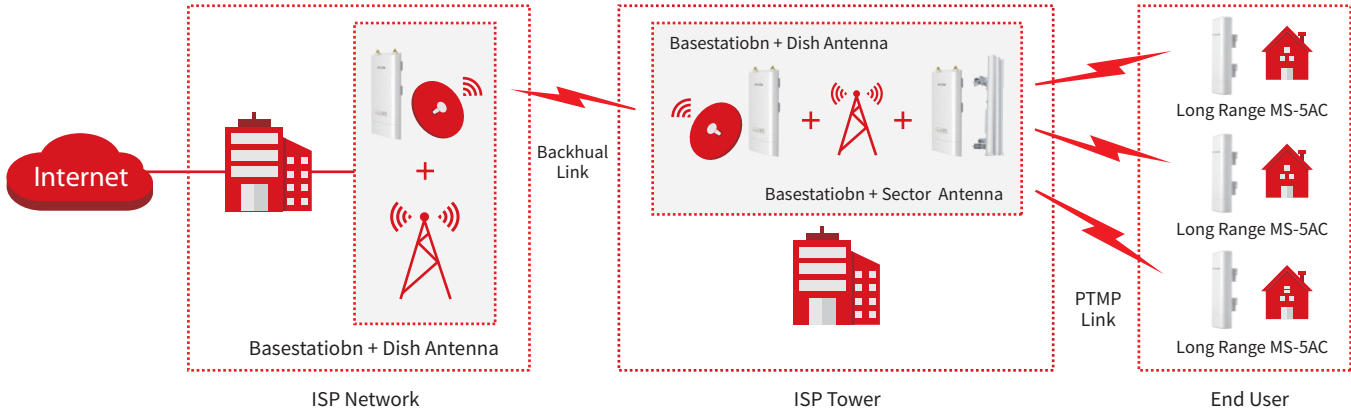
Application Scenarios

BS9 5GHz 867Mbps ipMAX ac Gigabit Basestation is designed for privated ISP internet access and CCTV surveillance.Features with two RP- SMA connector enable it to pair with dish antenna or sector antenna to establish PtP backhaul connection and P2MP link.

PtP Backhaul Connection

Internet

ISP Network

PtP Backhaul Link

Basestation + Dish Antenna

Basestation + Dish Antenna

P2MP Internet Access

Internet

Basestatiobn + Dish Antenna

Basestatiobn + Dish Antenna

Basestatiobn + Sector Antenna

Long Range MS-5AC

Long Range MS-5AC

Long Range MS-5AC

Backhual Link

PTMP Link

Basestatiobn + Dish Antenna

ISP Network

ISP Tower

End User

Related Product

MS-Loco5AC

* 5+km transmission range
* 5GHz 11AC 867Mbps
* 12dbi directional antenna
* IP65 waterproof enclosure
* 6000V Lightning Protection
* AP,Station,WISP operating mode supported
* 12V1A DC/12V1A Passive PoE/802.3af power supply optional

MS-5AC

* 10+km transmission range
* 5GHz 11AC 867Mbps
* 16dbi directional antenna
* IP65 waterproof enclosure
* 6000V Lightning Protection
* AP,Station,WISP operating mode supported
* 12V1A DC/24V0.5A Passive PoE/802.3af power supply optional

ANT19-5G120

* 19dBi Dual Polarity Sector Antenna
* Frequency Range 5100~5850MHz
* Horizonal 120º Vertical 120º Elevation 4º
* 2*RP-SMA Connector
* 5+km transmission range with BS9

ANT30-5G

* 30dBi Dual Polarity Dish Antenna
* Frequency Range 4900~6400MHz
* Horizonal 6º Vertical 6º Elevation 5º
* 2*N-Type Connection
* 20+km transmission range with BS9

Specifications

Product Information	
Model	BS9
Dimensions	194.7*83*42.1mm
Deployment	Pole Mount
Application Scenarios	PtP Backhaul 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	1*10/100/1000Mbps Ethernet Port
Antennas	2*RP-SMA Connector
Antenna Beamwidth	/
Reset Button	1
Power Consumption	7.5W
Waterproof Level	IP65
LED indicator	Power,PoE/LAN,LED1,LED2,LED3
Lightning Protection	24V0.5A Passive PoE
Lightning Protection	6000V
Power Method	24V0.5A Passive PoE
Passive PoE	Passive power over ethernet via PoE/LAN (+4,5pins; -7,8pins) up to 60 meters Voltage range: 21-25V 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
SSID Isolation	Support
Channel Bandwidth	20/40/80MHz
Client Limitation For SSID	Support
Wireless Access Control	Support

Specifications

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 867Mbps ipMAX ac Gigabit Basestation 1*PoE Power Adapter 1*Power cord 1*Quick Installation Guide 1*Metal strap
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

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IP-COM
World Wide Wireless