IP-COM
World Wide Wireless

EW12

AC2600 Tri-band Cable-Free WiFi System (Mini Basestation)

www.ip-com.com.cn

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Product Introduction

The EW12 Series Mesh Wi-Fi with 802.11ac wave2 combined with our intelligent software innovations are designed to deliver high-performance connectivity for extreme high-density deployments of mobile and IoT.



The EW12 Series is designed to simultaneously serve multiple clients and traffic types with tri-radio (2x2 + 2x2+3x3 MIMO) boosting overall network performance by up to 3X versus dual-band APs.

In addition to the benefits that MU-MIMO delivers, the EW12 Series provide differentiated capabilities which include AI-powered Wi-Fi RF optimization, always-on connectivity, true Mesh network, and 802.11k/v/r fast roaming. EW12 also features on independent 5GHz band for video&data backhaul.

Key Features

* 2.6 Gbps maximum real-world speed

* Cable-free true mesh technology

* Tri-radio mode with two 5GHz and one 2.4GHz radio

* MU-MIMO & beamforming for enhanced multi-user efficiency

* Built-in RF optimization and QoS policy

Product Features

Easy Cable-free deployment

No need to run cables, power up the satellite mesh AP and it will automatically connect to the EW12 mesh router.

Ultra-fast 2.6Gbps Wi-Fi experience

Reliable and high performance AC2600 Wi-Fi for up to 5000 sq ft with optimized simultaneous connections for 100 users.

Seamless roaming

EW12 uses 802.11k/v/r handover technology that allows the AP controller to determine the best timing and target AP for the handover. In this way, users enjoy seamless service during voice calls and video, and a greater throughput that is double than what legacy Wi-Fi handover guarantee.

Separate Guest User Access

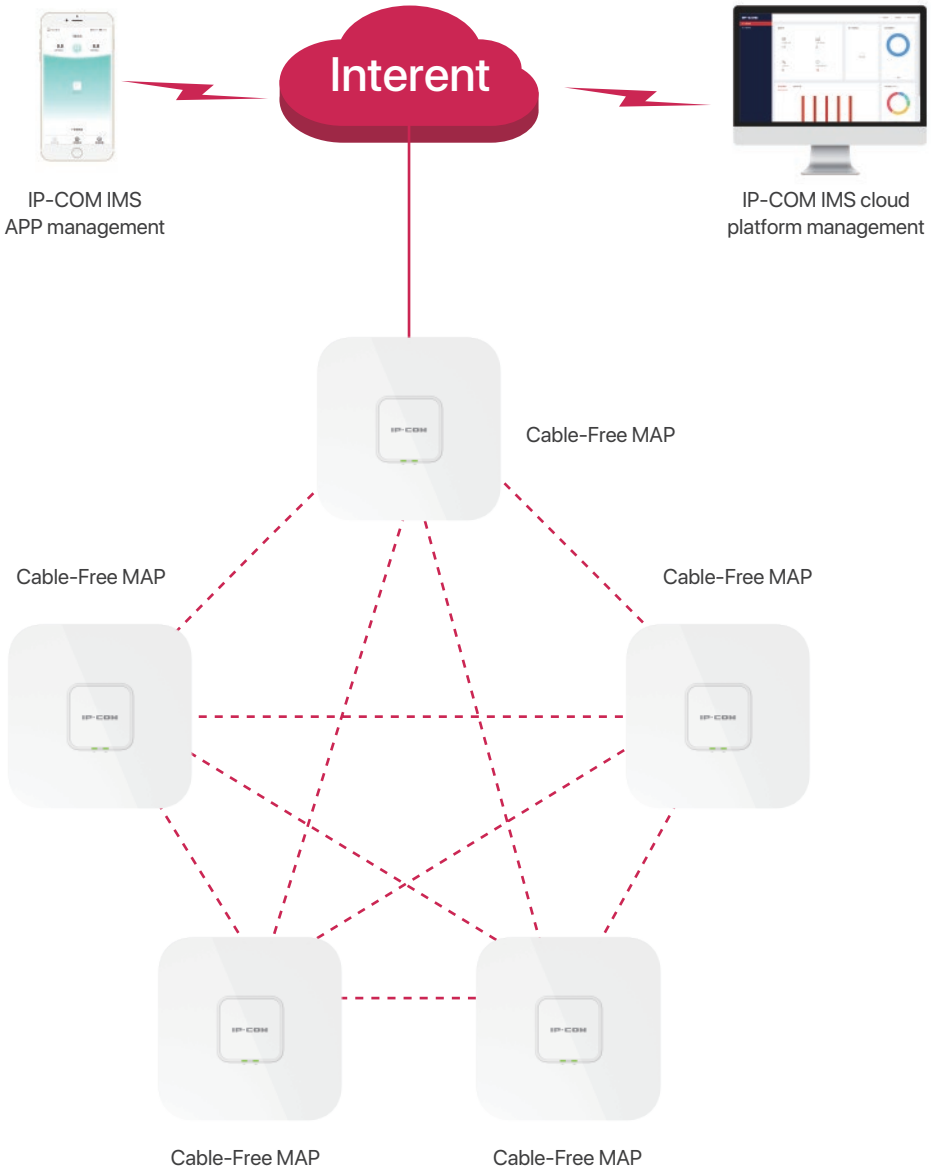
EW12 comes with 3 independent band with traffic isolation for network administrator, employees and customers, etc And includes a default Guest VLAN for guest access.

Easy-to-use & Insight management

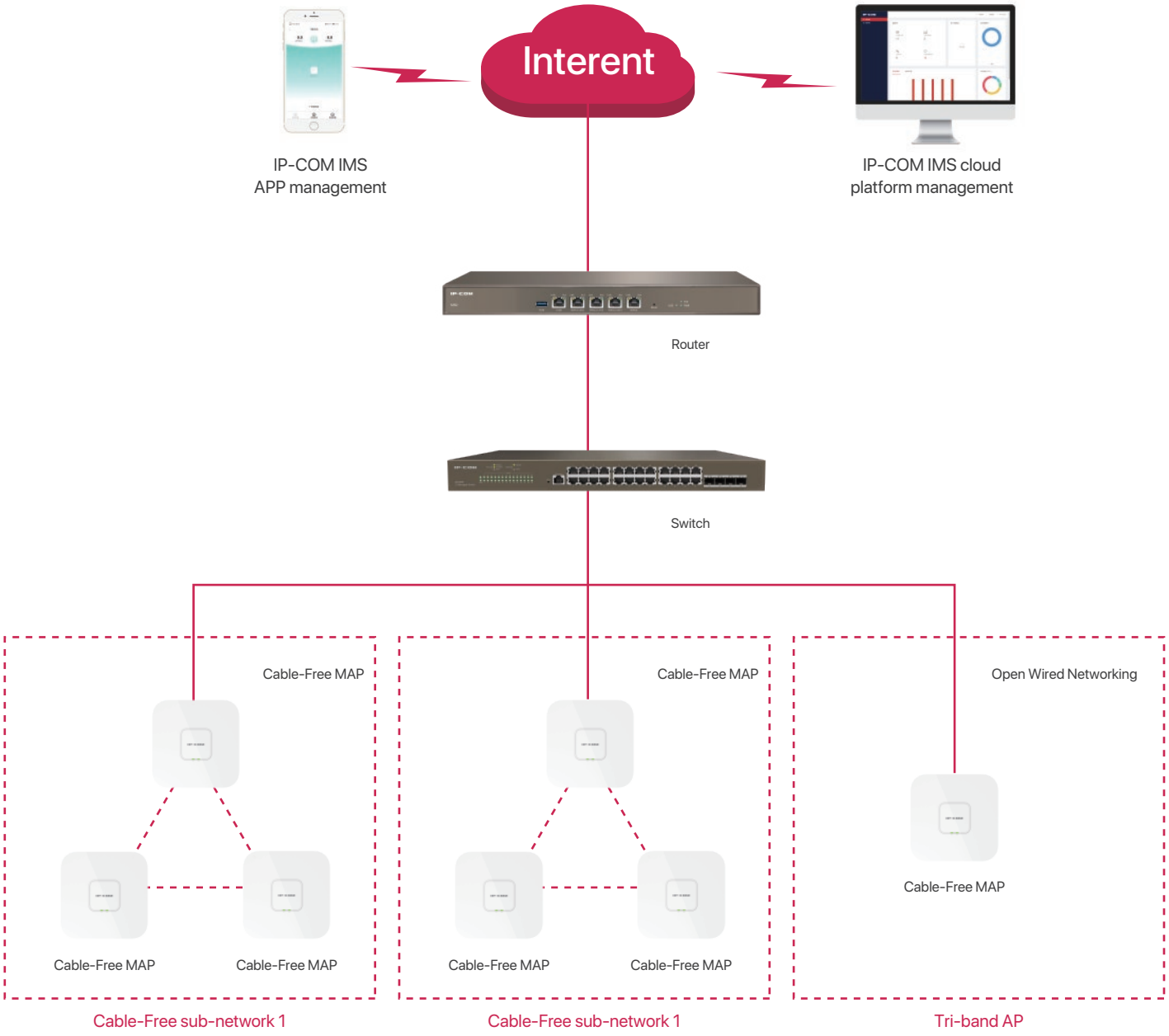
Thanks to mesh technology, EW12 is easy to expand Wi-Fi coverage with extra effort by add satellite AP, it will automatically learn configuration by themself. Easy plug and play Also EW12 support APP or cloud control for remote management.

Application Scenarios

EW12 is an AC2600 Tri-band Cable-Free WiFi System(Mini Basestation) from IP-COM specially designed for offices, restaurants, and other places. With advanced true Mesh technology and innovative built-in antennas design, enterprise users can adjust the quantities of EW12 according to the application area and combined with EW12 to form a distributed Mesh network without a dead zone. EW12 supports router mode and AP mode, which can meet the requirements of a small project with Mesh network, or partial Mesh network for large projects. The device adopts a full gigabit network interface design with maximum support for single WAN. It integrates various enterprise functions such as intelligent bandwidth control, WEB authentication, SMS authentication, etc., and can be applied to a variety of application scenarios.



Application Scenarios



Packaging

Hardware Specification	
CPU	Quad-core 717Mhz
Memory	256MB
Flash	16MB
Frequency band	Tri-band: 2.4G+5.2G+5.8G
Wireless rate	400+867+1300Mbps
11AC Wave 2	Support
Beamforming	Support
Networking technology	True Mesh
Antenna	5*4dBi, Horizontal omnidirectional antenna
Interface	1*Power Interface 1*Reset Button 2*Gigabit Ethernet Port (1*PoE WAN/LAN, 1*LAN)
Software Specification	
Operating Mode	Router Mode & AP Mode
WAN Ports	Single WAN
Port Forwarding	Support
Port Mirroring	Support
UPNP	Support
Security Settings	Support
DDNS	Support
VPN	IPSec/PPTP/L2TP
Filter Management	Support
Guest Network	Support
Static Routing	Support
Dedicated Backhaul	Support
Bandwidth Control(QoS)	Support
Diagnostic Tool	Support
Fast Roaming	Support

Packaging

Installation and Deployment	
Mounting	Wall mount/Ceiling mount/Pole mount/Desk mount
APP Installation and Configuration	Support
Managed by AC	Support
Management and Maitainance	
APP/cloud management	Support
Web local and remote management	Support
Performance Parameter	
Maximum number of User	100
Mesh nodes in one Mesh System	Typical:5; Max:18
Maximum hop limit	3 hop
Other	
Dimensions(L×W×H)	170mm*170mm*36mm
Power Dimensions	External switching power supply48V/0.8A 48V Passive PoE power supply
Enviorment	Working Temperature: 0~40°C Storage Temperature: -40~70°C Working Humidity: 10%~90%RH Storage Temperature: 5%~90%RH

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