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i23

AC1200 Wave 2 Gigabit Access Point

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Product Description

Tenda i23 is a dual-band Gigabit ceiling AP that complies with the IEEE 802.11ac Wave 2 standard, with a concurrent data rate of up to 1167 Mbps. Users can manage the device locally or remotely through the Tenda CloudFi APP, device web, Tenda CloudFi platform, etc., and can also share and host the network to others for collaborative management, thus achieving simpler, easier to use, safer and more convenient enterprise network operation and maintenance.

Key Features

- Up to 1167 Mbps dual-band data rate
- Supports one-click wireless optimization
- Supports remote management
- Supports fast roaming

Product Feature

Wireless automatic tuning, optimizing the overall performance of wireless networks

When the working channels of adjacent APs overlap, excessive power of an AP will cause signal interference to adjacent APs. i23 works with Tenda AC controller/router to automatically plan AP channels and power through wireless optimization function, intelligently reduce signal interference between APs, and ensure high-speed operation of wireless networks.

Support 802.11K/V/R fast roaming

When multiple APs are deployed in an area for coverage, mobile phones/computers/pads and other terminal devices automatically connect to the AP with the best signal quality during the user's movement, and Wi-Fi switching is zero-perception. Whether it is a voice call or a video call, you can move freely without constraints.

Product Feature

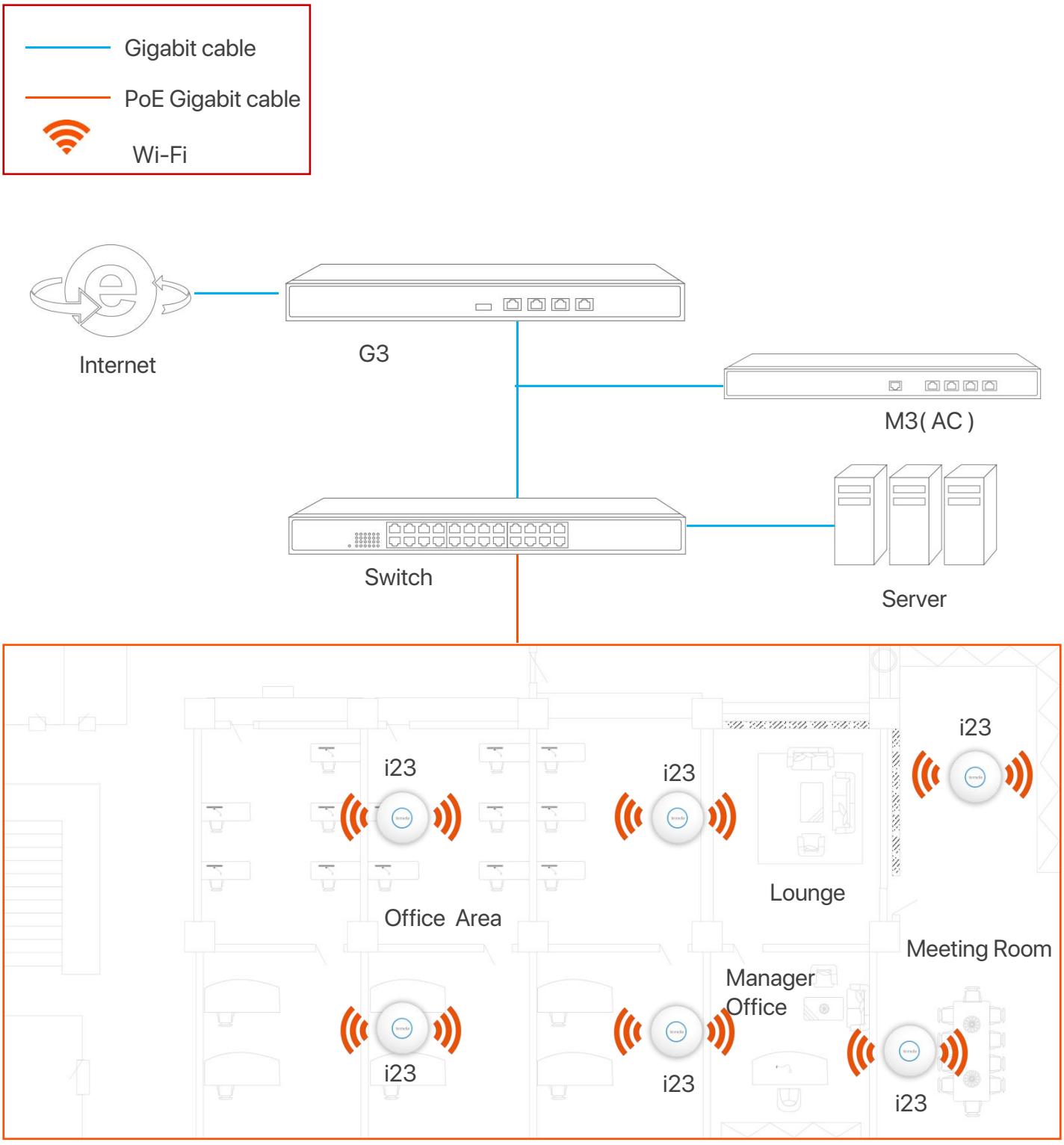
Supports PoE power supply

Support 802.3af standard PoE network cable power supply, no external power supply required. One network cable can be connected to the switch to achieve PoE power supply and data transmission, plug and play, no need to consider the location of the socket, power line routing and other issues, convenient wiring, flexible networking, and more convenient construction.

Supports cloud platform/APP remote management

Supports unified deployment, configuration, and management of devices. Through the CloudFi cloud platform and CloudFi APP, remote monitoring, management, and maintenance can be performed anytime and anywhere. It supports automatic generation of real topology and wireless one-click optimization. You don't need to be on site to easily grasp the overall situation.

Application Scenarios



Technical Specifications

Product Information	
Model	i23
Category	Ceiling
Dimension	178 mm * 178 mm * 38 mm
Hardware Specifications	
Interface	One 10/100/1000 Mbps Ethernet Port (PoE)
Button	1*Reset
LED indicator	1*SYS
Maximum Power Consumption	10.5W
Power Supply	PoE 802.3af
Max. Number of Clients	256
Recommended Clients	40
Antenna	2*4dBi(2.4GHz)+2*4dBi(5GHz)
2.4GHz maximum power	11b mode, transmit power 22±1.5dBm 11g mode, transmit power 22±1.5dBm 11n mode, MCS7 transmit power 20±1.5dBm
5GHz maximum power	11a mode, transmit power 22±1.5dBm 11n mode, MCS7 transmit power 19±1.5dBm 11ac mode, MCS9 transmit power 15±1.5dBm 11ax mode, MCS11 transmit power 15±1.5dBm
Reception Sensitivity	2.4GHz 802.11b -98dBm 2.4GHz 802.11n (MCS7) -77dBm 5GHz 802.11a -95dBm 5GHz 802.11n (40M-MCS7) -76dBm 5GHz 802.11ax (80M-MCS11) -64dBm
Frequency Range	2.4GHz&5GHz
Standard & Protocol	IEEE 802.11b/g/n/ac
Maximum wireless speed	2.4GHz: 300Mbps 5GHz: 867Mbps
Bandwidth	20MHz/40MHz/80MHz
Software Specifications	
Operating Mode	AP/Client+AP

Technical Specifications

Software Specifications	
Max. No. of SSID	2.4GHz: 4 5GHz: 4
Hide SSID	Supported
OFDMA	No Supported
Beamforming	Supported
Fast roaming（802.11k/v/r）	Supported
WEP	Supported
WPA-PSK	Supported
WPA2-PSK	Supported
WPA	Supported
WPA2	Supported
WPA3-SAE	No Supported
Access control	Supported
Adjustable power transmit	Supported
Automatic channel	Supported
AP isolation	Supported
Guest network	Supported
Connected clients control	Supported
RSSI Threshold	Supported
Weak signal terminal elimination	Supported
Prioritize 5 GHz	Supported
VLAN tagging for SSID	Supported
LED control	Supported
MU-MIMO	Supported
Diagnostics tool	Supported
Reboot at specified interval	Supported
Scheduled reboot	Supported
Device management	Web, Router, CloudFi APP, AP Controller

Technical Specifications

Software Specifications	
System logs	Supported
Firmware upgrade	Supported
Reset	Supported
Backup configuration	Supported
Restore configuration	Supported

Others	
Default IP	192.168.0.254
Operation Temperature	-10℃ ~ 40℃
Operating Humidity	10%~90% non-condensing
Storage Temperature	-30℃ ~ 70℃
Storage Humidity	5%~90% non-condensing

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