

Tenda



i27

AX3000 Wi-Fi 6 Ceiling Access Point



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Product Description

i27 is designed based on the new Wi-Fi 6 technology. It realizes a bandwidth of 160 MHz and a 5 GHz rate as high as 2.4 Gbps, a rate three times higher than that of ordinary Wi-Fi 5 APs and two times that of ordinary Wi-Fi 6 APs. The application of such new technologies as OFDMA, spatial multiplexing, and MU-MIMO drives the network capacity of a single i27 to 4 times higher. i27 is a perfect choice for such locations as businesses and hotels to deploy high-performance Wi-Fi networks.

Key

Features

- Dual-band wireless speed: 3000 Mbps
- 802.11k/v/r Roaming
- Tenda CloudFi Cloud Management
- Power input with 802.3at PoE

Product Feature



High-speed dual-band wireless

The device supports 2.4GHz and 5GHz dual-band communications, supports Wi-Fi 6 160M bandwidth, provides 2.4GHz 574Mbps, 5GHz 2402Mbps, and the whole machine has an access rate of up to 2976Mbps. It can provide the terminal with a 5GHz frequency band with less interference, wider channels, and faster speeds, so that you can enjoy a truly refreshing wireless communication experience.



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. i27 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.

Product Feature



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.



Supports PoE power supply

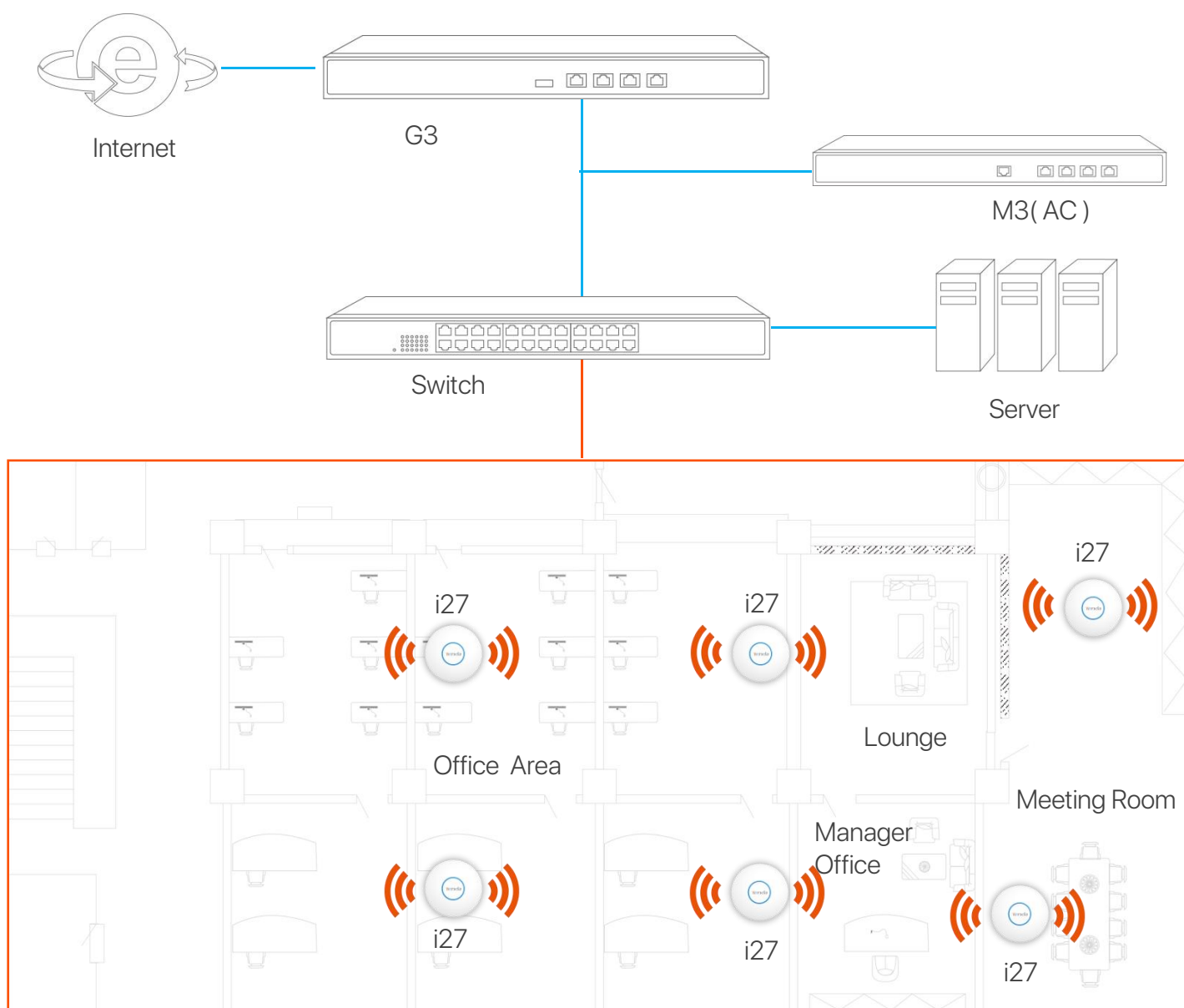
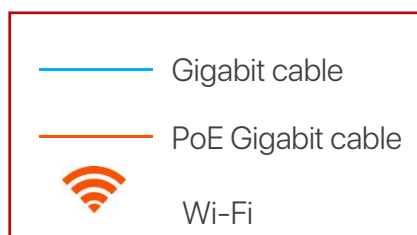
Support 802.3at standard PoE network cable power supply, no external power supply required. One network cable can be connected to the switch to achieve PoE power supply and data transmission, plug and play, no need to consider the location of the socket, power line routing and other issues, convenient 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	i27
Category	Ceiling
Dimension	φ176*43.5mm
Hardware Specifications	
Interface	One 10/100/1000 Mbps Ethernet Port (PoE)
Button	1*Reset
LED indicator	1*SYS
Maximum Power Consumption	14.8W
Power Supply	PoE 802.3af & 48V0.8A Passive PoE
Max. Number of Clients	256
Recommended Clients	60
Antenna	2*4dBi
2.4GHz maximum power	<20 dBm
5GHz maximum power	<23 dBm
Reception Sensitivity	11b:-99dBm (1Mbps) 11a:-96dBm(6Mbps),-78dBm(54Mbps) 11g:-79dBm(54Mbps) 11n:20MHz:-96dBm(mcs0),-77dBm(mcs7) 11n:40MHz:-74dBm(mcs7) 11ax:20MHz:-67dBm(mcs11) 11ax:40MHz:-94dBm(mcs0),-64dBm(mcs11) 11ax:80MHz:-90dBm(mcs0),-59dBm(mcs11) 11ax:160MHz:-56dBm(mcs11)
Frequency Range	2412MHz-2472MHz,5150MHz-5350MHz ,5725MHz -5850MHz
Standard & Protocol	IEEE 802.11b/g/n/ac/ax
Maximum wireless speed	2.4GHz: 574Mbps 5GHz: 2402Mbps
Bandwidth	20MHz/40MHz/80MHz/160MHz

Technical Specifications

Software Specifications

Operating Mode	AP/Client+AP
Max. No. of SSID	2.4GHz: 8 5GHz: 8
Hide SSID	Supported
Max. Number of Clients	256
Recommended Clients	60
OFDMA	Supported
Beamforming	Supported
Fast roaming (802.11k/v/r)	Supported
MLO	/
WPA-PSK	Supported
WPA2-PSK	Supported
WPA	Supported
WPA2	Supported
WPA3-SAE	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
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

Management Address	tendawifi.com
Operation Temperature	-10°C ~ 40°C
Operating Humidity	10%~90% non-condensing
Storage Temperature	-30°C ~ 70°C
Storage Humidity	5%~90% non-condensing

SHENZHEN TENDA TECHNOLOGY CO.,LTD

Floor 6-8, Tower E3, No.1001, Zhongshanyuan Road, Nanshan District, Shenzhen, China. 518052
E-mail: support@tenda.com.cn
Tel : +86-755-2765 7098
Fax : +86-755-2765 7178
PC: 518055

