

***Tenda***



**i29**

AX3000 Wi-Fi 6 Long Range Access Point



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# i29

## AX3000 Wi-Fi 6 Long Range Access Point

### Product Description

i29 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 i29 to 4 times higher. The high-power RF design helps maintain the quality of Wi-Fi signal even over a long distance, so that wireless clients and AP can work under the high-performance Wi-Fi 6 mode. i29 is a perfect choice for such locations as businesses and hotels to deploy high-performance Wi-Fi networks.

## Key

## Features

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- Up to 3000 Mbps dual-band data rate
- Supports one-click wireless optimization
- Supports remote management
- Supports fast roaming

## Product Feature

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### **3000M wireless access speed**

Both the 2.4 GHz and the 5 GHz radio bands support the new Wi-Fi 6 standard and the concurrent Wi-Fi rate is as high as 3 Gbps, 2.5 times that of the last-generation of AP (AC1200).



### **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. i29 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

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### **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**

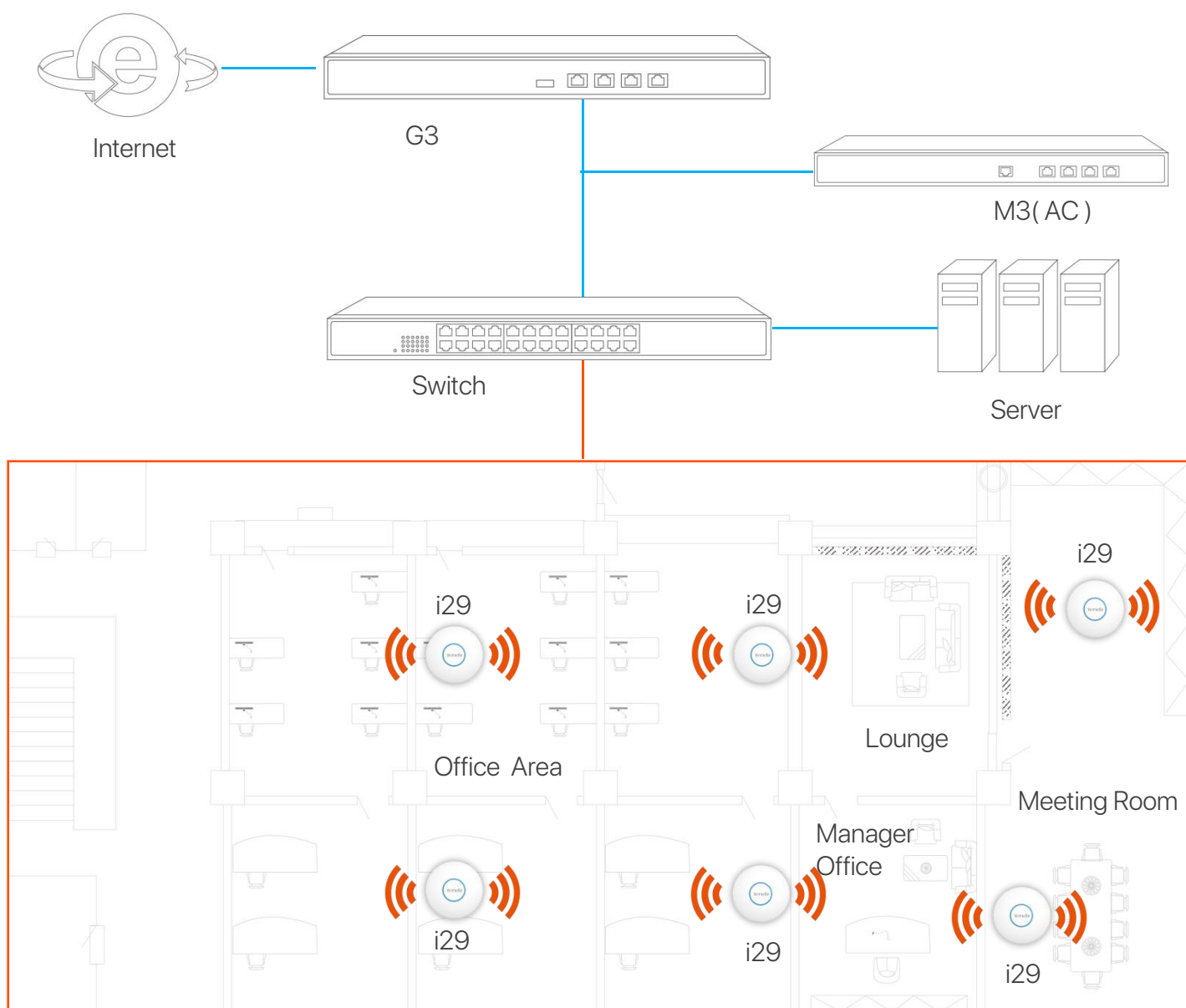
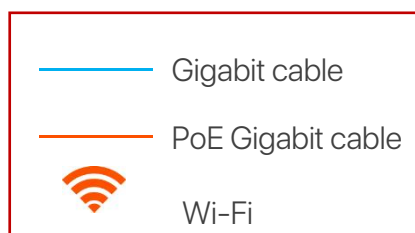
Support 802.3at standard PoE network cable power supply, no external power supply required. One network cable can be connected to the switch to achieve PoE power supply and data transmission, plug and play, no need to consider the location of the socket, power line routing and other issues, convenient 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	i29
Category	Ceiling
Dimension	Φ250.6*55 mm
Hardware Specifications	
Interface	One 10/100/1000 Mbps Ethernet Port (PoE) One 10/100/1000 Mbps Ethernet Port
Button	1*Reset
LED indicator	1*SYS
Maximum Power Consumption	15.4W
Power Supply	PoE 802.3at
Max. Number of Clients	256
Recommended Clients	80
Antenna	5*4dBi
2.4GHz maximum power	<20 dBm
5GHz maximum power	<23 dBm
Reception Sensitivity	2.4GHz 802.11b -98dBm 2.4GHz 802.11ax (MCS7) -64dBm 5GHz 802.11a -98dBm 5GHz 802.11n (40M-MCS7) -76dBm 5GHz 802.11ax (80M-MCS11) -61dBm
Frequency Range	2.4GHz&5GHz
Standard & Protocol	IEEE 802.11b/g/n/ac/ax
Maximum wireless speed	2.4GHz: 574Mbps 5GHz: 2402Mbps
Bandwidth	20MHz/40MHz/80MHz/160MHz
Software Specifications	
Operating Mode	AP/Client+AP

# Technical Specifications

Software Specifications	
Max. No. of SSID	2.4GHz: 8 5GHz: 4
Hide SSID	Supported
OFDMA	Supported
Beamforming	Supported
Fast roaming (802.11k/v/r)	Supported
WEP	Supported
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
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 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



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