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i21

wireless access point



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# i21

## Wireless access point

### Product introduction

i21 is a Wi-Fi access point product especially designed by Tenda for indoor high user density environment like enterprise, Bar, cafe etc. It supports 2.4Hz&5GHz dual-band, uses MIMO, OFDM technology and so on, and provides 1167Mbps wireless transmission speed in maximum by dual-band concurrency. It has two 2.4GHz MIMO antennas and two 5GHz MIMO antennas, supports power adjustment pattern, users can adjust transmitting power according to real environment. It supports standard 802.3af PoE and DC power supply and convenient and fast networking. It can be managed and configured by all series of access controllers of Tenda.

### Key features

- Using RTL's latest 11ac chip, clocked at up to 1GHz
- 2\*2MIMO technology, support 1167Mbps, it has internal strong and stable signal extender
- Support 12V 1A DC power supply directly, and support standard POE (802.3af) switch 100-meter cable power supply
- Support wireless controller, enterprise wireless management

### Ceiling design,beautiful and practical

With ceiling design it can be installed on the ceiling of the guest room or wall of the hall.Beautiful appearance accord with the decoration style of hotel.And with hidden indicator light design, which can not affect the beauty of the whole wall, and can judge the working status of the equipment.

### Reasonable allocation of wireless resources to ensure the quality of wireless

I21 supports hollow scheduling and limited weakness signal terminal access. It can allocate the resources of wireless reasonably.Avoid low rate users to preempt empty resources,increasing the overall rate of wireless networks.It can adjust the threshold of low signal terminal access, reject the terminal access of low signal strength, which make sure the wireless network is more high-speed.

### Multiple anti - interference technology makes wireless network more stable

Through the built-in multiple anti-interference technology, which can automatically choose the optimal channel, greatly reduced the same frequency interference and other electromagnetic interference, which improve the quality of the wireless signal, make the wireless network is more stable.

### Support multi-ssid and VLAN binding to protect data security

It adopted multi-ssid design to support VLAN and SSID binding. According to the connection to different SSID, it can distinguish the internet access and data access rights which protect network data security.

### Support standard PoE af power supply

Unique hardware design, using standard POE af power supply,LAN port supports POE power supply and data transmission. Users don't need to upgrade the original power system to power AP, save time and cost.

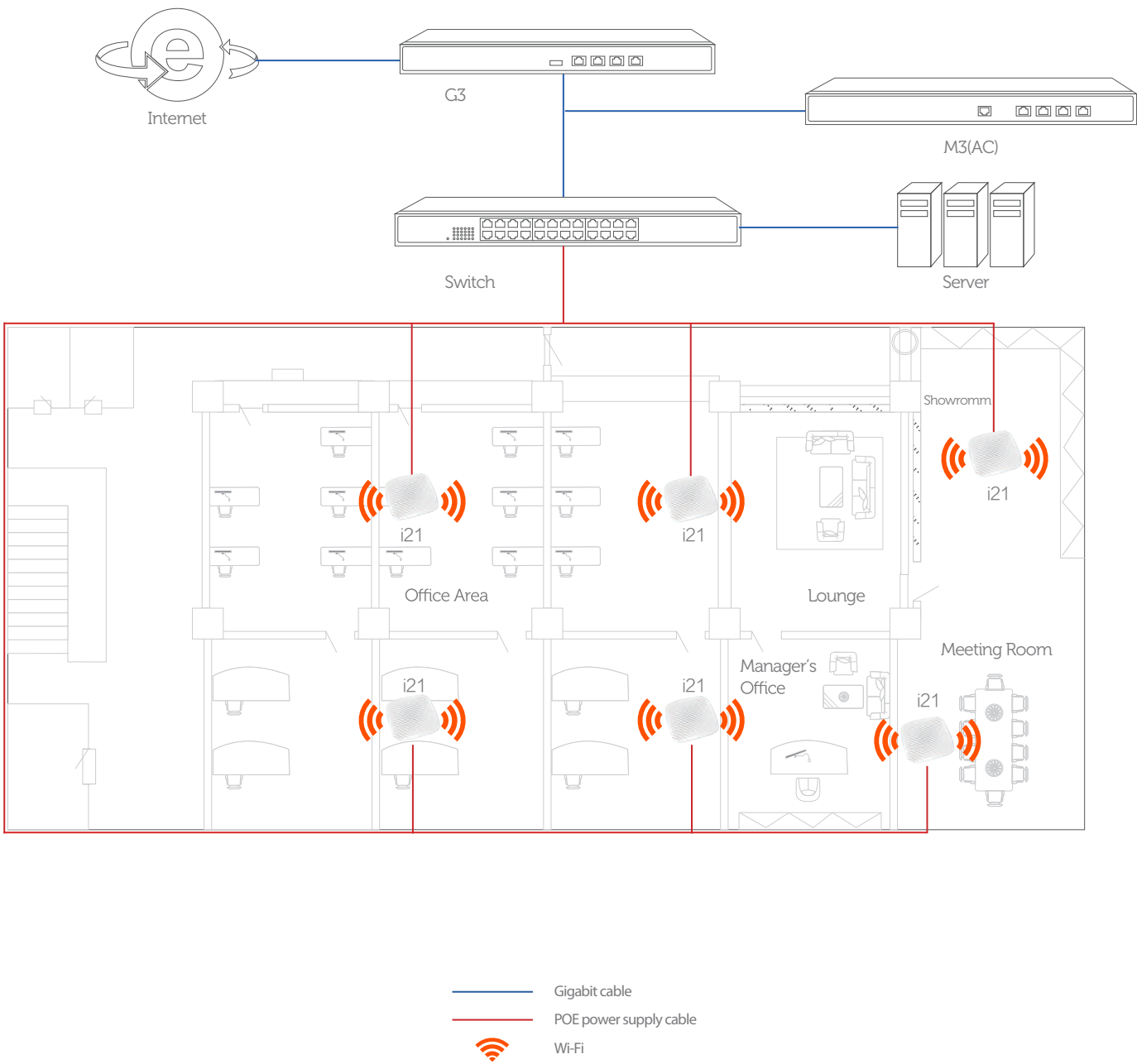
### Dual power supply mode, flexible and convenient

Compared with the single power supply mode of other products, i21 supports POE power supply and DC power supply. You can choose according to the actual situation, the deployment is simpler and the construction is more convenient.

### Support AC unified management,easy management and maintenance

Support tenda wireless controller M3 unified management and configuration.Network administrator only needs on one computer, can manage, configure, monitor all equipment.

# Application environment



# Product specification

Product Information	
Model	i21
Mounting	Ceiling and Wall Mount
Hardware Specifications	
Frequency Band	2.4GHz、 5GHz
Wi-Fi Standards	802.11a/b/g/n/ac
PHY Data Rates	1-1167Mbps
Ethernet Ports	1 10/100Base TX
DC Power Interface	1 DC Power Interface
Reset Button	1*rest
LED Indicator	1*Sys
Power Consumption	<13W
Power Supply	PoE 802.3af& 12V1A DC
Software Specifications	
Operating Mode	AP.Client+AP
SSID Hiding	Support
SSID Numbers	2.4GHz:8 、 5GHz: 4
WEP	64/128
WPA-PSK	AES/TKIP
WPA2-PSK	AES/TKIP
WPA	Support
WPA2	Support
Wireless Access Control	Support
Adjustable Transmission Power	Support
AP Isolation	Support
User Access Limit	Supports wireless client number constraints
Client Access Restrictions	Support wireless client RSSI threshold Settings
WMM	Support
VLAN and SSID Bindings	Support
Transmission power 11a	20±1.5dbm
Transmission power 11b	23±1.5dbm
Transmission power 11g	22±1.5dbm
11n mcs0Transmission power	21±1.5dbm
Transmission power 11n mcs7	20±1.5dbm
Transmission power 11n mcs9	18±1.5dbm
802.11A receiving sensitivity	-93dbm
802.11Breceiving sensitivity	-99dbm
802.11Greceiving sensitivity	-77dbm
802.11N(HT20)receiving sensitivity	-74dbm

## Product specification

802.11N(HT20)receiving sensitivity	-73dbm
802.11AC(HT80)receiving sensitivity	-62dbm
Switch LED	Support
Network Diagnoses	Support ping
Timing Reboot	Support
Cycle Restart	Support
Equipment Management	Web Management
Logging	System log view
Firmware Upgrade	Support from Web UI or AP Controller
Equipment Restart	Support from Web UI or AP Controller
Restore Factory Settings	Support from Web UI or AP Controller
Backup Configuration	Support
Restore Configuration	Support
Centralized Management	M3

### Working Environment

Default Login IP	192.168.0.254
Default User Name	admin
Default Password	admin
Operating Temperature	-10°C ~ 40°C
Operating Humidity	10%~90% non-condensing
Storage Temperature	-30°C ~ 70°C
Storage Humidity	10%~90% non-condensing