Tenda

All for better networking.

i24

AC1200 Wave 2 Gigabit Access Point

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i24

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What it does

Tenda i24 is a gigabit dual-band ceiling access point that compliant with IEEE 802.11ac Wave 2, and offers a concurrent data rate up to 1167 Mbps. Powered by MU-MIMO technology, a single i24 can communicate with multiple clients at one time, letting you enjoy better experience. And the built-in omni-directional antennas broaden the wireless coverage of a single AP. In addition, you are allowed to adjust its transmit power as required using the web UI, and use an IEEE 802.3af-compliant PoE sourcing equipment to power on it, achieving long-distance power supply without tampering your existing grid network. You are also allowed to use Tenda access controllers (AC) to configure and manage multiple i24 in a centralized manner.

Key Features

Up to 1167 Mbps dual-band data rate;
Gigabit LAN port;
MU-MIMO;
Supports to be centrally managed by all Tenda access controllers (AC) and enterprise routers that include AC functionality

Product Features

Gigabit internet connections for ultra-fast experience

Up to 1167 Mbps dual-band data rate, and the 1000 Mbps Ethernet port let you enjoy ultra-fast internet connections.

IEEE 802.11ac Wave 2 and MU-MIMO

A single i24 can communicate with multiple wireless clients at one time, letting you enjoy higher throughput and better experience.

Dual-band for more connected clients

i24 allows clients that support either 2.4 GHz or 5 GHz band , or both to connect to it at the same time, tripling the quantity of connected clients of traditional single-band AP.

Built-in omni-directional antennas

The optimized antennas make i24 outstanding in radiating wireless signals and broadening wireless coverage.

Resource allocation fairness for reliable wireless network

Featuring air interface scheduling, i24 could evenly allocate air interface resources, thus improving your wireless network speed as a whole by preventing clients with low data rate from consuming too much network resources. What's more, i24 also allows you to customize the RSSI threshold value, so that you can disconnect clients that do not reach the RSSI.

Multiple interference-mitigation technologies

Powered by multiple interference-mitigation technologies, i24 automatically chooses the best channel and adjusts the transmit power to a reasonable value, significantly optimizing wireless signals by mitigating co-channel interference and electro magnetic interference (EMI).

VLAN tagging for SSID

You are allowed to set multiple SSIDs, and enabled to add VLAN tags for SSIDs with the IEEE 802.11q VLAN-compliant feature so as to protect the security of your network.

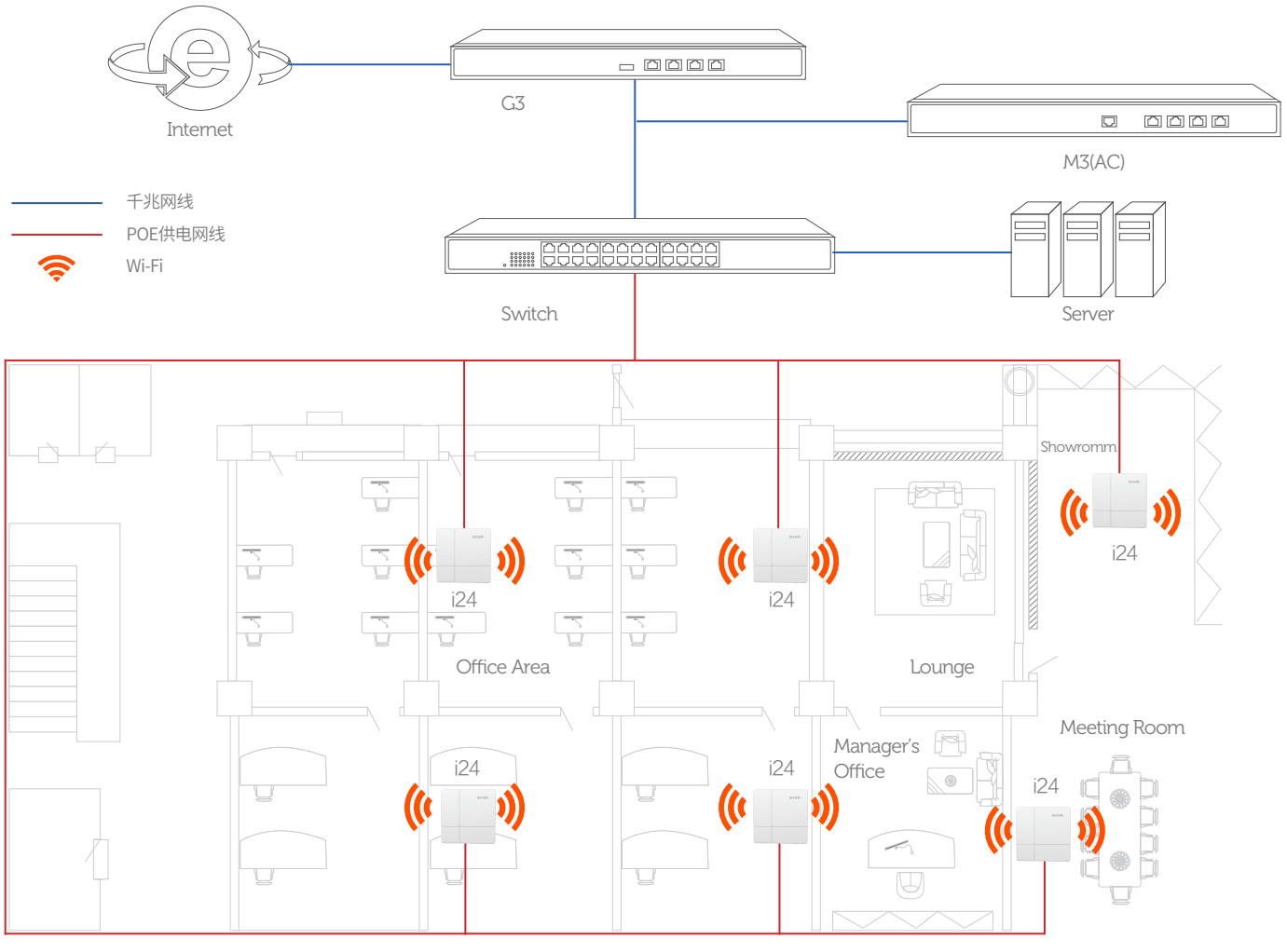
Standard PoE sourcing and DC power supply for easy deployment

You can use an IEEE 802.3at-compliant PoE sourcing equipment, or a DC power adapter to power on i24.

Centralized management

You are allowed to configure and manage multiple i24 in a centralized manner through all Tenda access controllers (AC) and enterprise routers that include AC functionality, and enjoy simple management, configuration and monitoring of all access points.

Specification



Specification

Product Information	
Model	i24
Appearance	Ceiling AP
Dimensions	178 mm * 178 mm * 38 mm

Hardware Specifications	
Frequency band	2.4 GHz, 5 GHz
Wireless standards	IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac
2.4 GHz data rate	1 - 300 Mbps
5 GHz data rate	6 - 867 Mbps
Ethernet port	1*10/100/1000 Base-TX port
Button	1*Reset
LED indicator	1*Power
Max. power consumption	Full-load 11.5W
Power supply standard	IEEE 802.3af & 12V1A DC

Hardware Specifications	
Operating modes	AP, Client+AP
Hide SSID	Supported
Max. No. of SSID	2.4 GHz: 8 5 GHz: 4
Max. connected clients	2.4 GHz: 128 5 GHz: 128
WEP	Supported
WPA-PSK	Supported
WPA2-PSK	AES/TKIP
WPA	Supported
WPA2	Supported
Access control	MAC address-based
Adjustable power transmit	Supported
AP isolation	Supported
Connected clients control	Supported
RSSI Threshold	Supported
WMM	Supported
VLAN tagging for SSID	Supported
Antenna gain	4 dBi
2.4 GHz Transmit power	23 +/- 1.5 dBm
5 GHz Transmit power	23 +/- 1.5 dBm
802.11b RX sensitivity	-93 dBm
2.4 GHz 802.11n (MCS7) RX sensitivity	-72 dBm
5 GHz 802.11a RX sensitivity	-93 dBm

Specification

5 GHz 802.11n (MCS7) RX sensitivity	-74 dBm
LED control	Supported
Diagnostics tool	Ping, Traceroute
Scheduled reboot	Supported
Reboot at specified interval	Supported
Management	Web UI
System logs	Supported
Firmware upgrade	Local and AC upgrade
Reboot	Local and AC reboot
Reset	Local and AC reset
Backup configuration	Supported
Restore configuration	Supported

Operating Environment

Default login IP address	192.168.0.254
Default user name	admin
Default password	admin
Operating temperature	-10℃ - 45℃
Operating humidity	(10% - 90%) RH, non-condensing
Storage temperature	-30℃ - 70℃
Storage humidity	(10%－90%) RH, non-condensing

Certificates

Certificates	CE\FCC\RoHS

SHENZHEN TENDA TECHNOLOGY CO.,LTD.

Tenda Technology Bldg.Int’ l E-City,
#1001 Zhong Shan Yuan Rd.,Nanshan District,Shenzhen China.

E-mail:support@tenda.com.cn
Tel:+86-755-2765 7098
Fax:+86-755-2765 7178
PC:518055