

Tenda



All for better networking.

i24

AC1200 Wave 2 Gigabit Access Point

www.tendacn.com



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 802.3at-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.

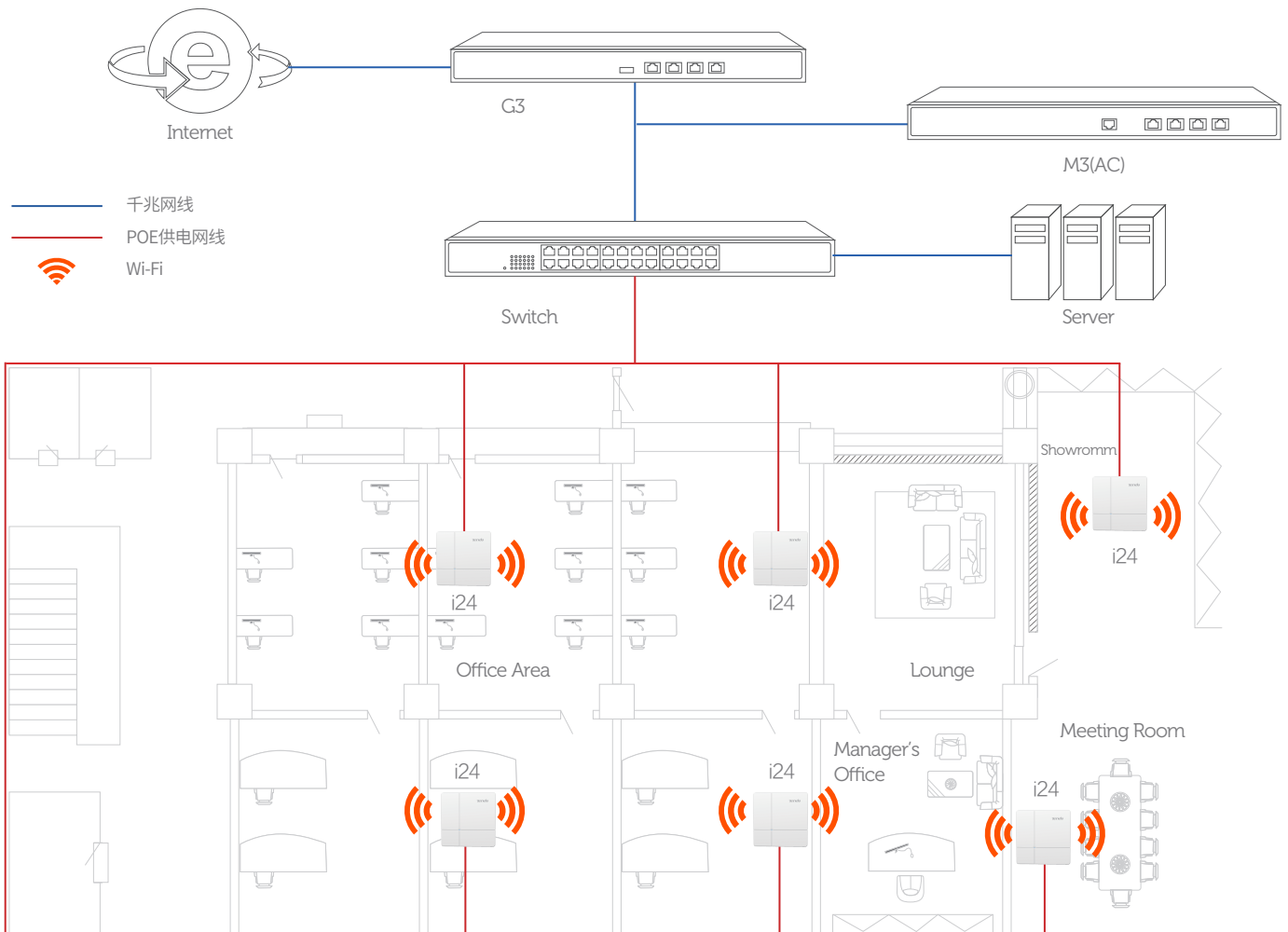
Standard PoE sourcing and DC power supply for easy deployment

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 | 2.400 – 2.4835 GHz, 5.15 0 – 5.250 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 13.5W |
| Power supply standard | IEEE 802.3at |
| 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 |
| EIRP Power(MAX.) 2.4GHz | 11b:17.27dBm;11g:19.87dBm;11n(HT20):19.74dBm;11n(HT40):19.55dBm |
| EIRP Power(MAX.) 5GHz | 11a:22.19dBm;11n(HT20):22.11dBm;11n(HT40):22.86dBm; 11ac(HT20):22.01dBm;11ac(HT40):22.58dBm;11ac(HT80):22.64dBm; |
| 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

Hardware Specifications

| | |
|-------------------------------------|----------------------|
| 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 °C - 45 °C |
| Operating humidity | (10% - 90%) RH, non-condensing |
| Storage temperature | -30 °C - 70 °C |
| Storage humidity | (10% - 90%) RH, non-condensing |

Packaging

| | |
|--------------------------|-----|
| Giftbox | Yes |
| Wireless ceiling AP | 1 |
| Bracket | 1 |
| Plastic nut | 4 |
| Plastic anchor | 4 |
| Screw | 4 |
| Power adapter | NA |
| Quick installation guide | 1 |
| GPL | 1 |

Certificates

| | |
|--------------|-------------|
| Certificates | CE\FCC\RoHS |
|--------------|-------------|

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