

Tenda



OAP3000

AX3000 Indoor/Outdoor Wi-Fi 6 Access Point



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Product Description

OAP3000 is a Wi-Fi 6 3000M high-power omnidirectional dual-band wireless access point (AP) that supports 802.11a/b/g/n/ac/ax, launched by Tenda for use in locations such as villages, villas, parks, scenic spots, and squares. The product operates on both 2.4GHz and 5GHz bands, providing 574Mbps on 2.4GHz, 2402Mbps on 5GHz, and a total access rate of up to 2976Mbps. The external omnidirectional high-gain antenna ensures effective coverage.

Key Features

- Dual-band wireless speed up to 3000 Mbps
- 1*GE Ethernet port
- Compliant with 802.3at PoE
- IP65 Weatherproof Rating
- 802.11k/v/r Roaming
- Unified managed by CloudFi APP and cloud

Product Feature



High-speed dual-band wireless

The device supports 2.4 GHz and 5 GHz dual-band communications, Wi-Fi 6 with 160 MHz bandwidth, and provides 574 Mbps on 2.4 GHz and 2402 Mbps on 5 GHz, for a total access rate of up to 2976 Mbps. It offers the terminal a 5 GHz frequency band with less interference, wider channels, and faster speeds, allowing you to enjoy a truly seamless wireless communication experience.



Wireless automatic tuning

When the working channels of adjacent APs overlap, excessive power from an AP causes signal interference to nearby APs. The OAP3000, when used with a Tenda AC controller or router, automatically plans AP channels and power through its wireless optimization function. This intelligently reduces signal interference between APs and ensures high-speed operation of wireless networks.



Excellent environmental adaptability

The product shell features a waterproof, dustproof, and flame-retardant design, meets IP65 protection level requirements, can be placed outdoors for extended periods, and continues to function normally in harsh environments such as wind erosion, rain, and humidity.

Product Feature



Fast roaming, always smooth

When multiple APs are deployed in an area for coverage, mobile phones, computers, tablets, and other terminal devices automatically connect to the AP with the best signal quality as the user moves, and Wi-Fi 6 switching is seamless. Whether on a voice call or a video call, you can move freely without constraints.



Standard PoE power supply

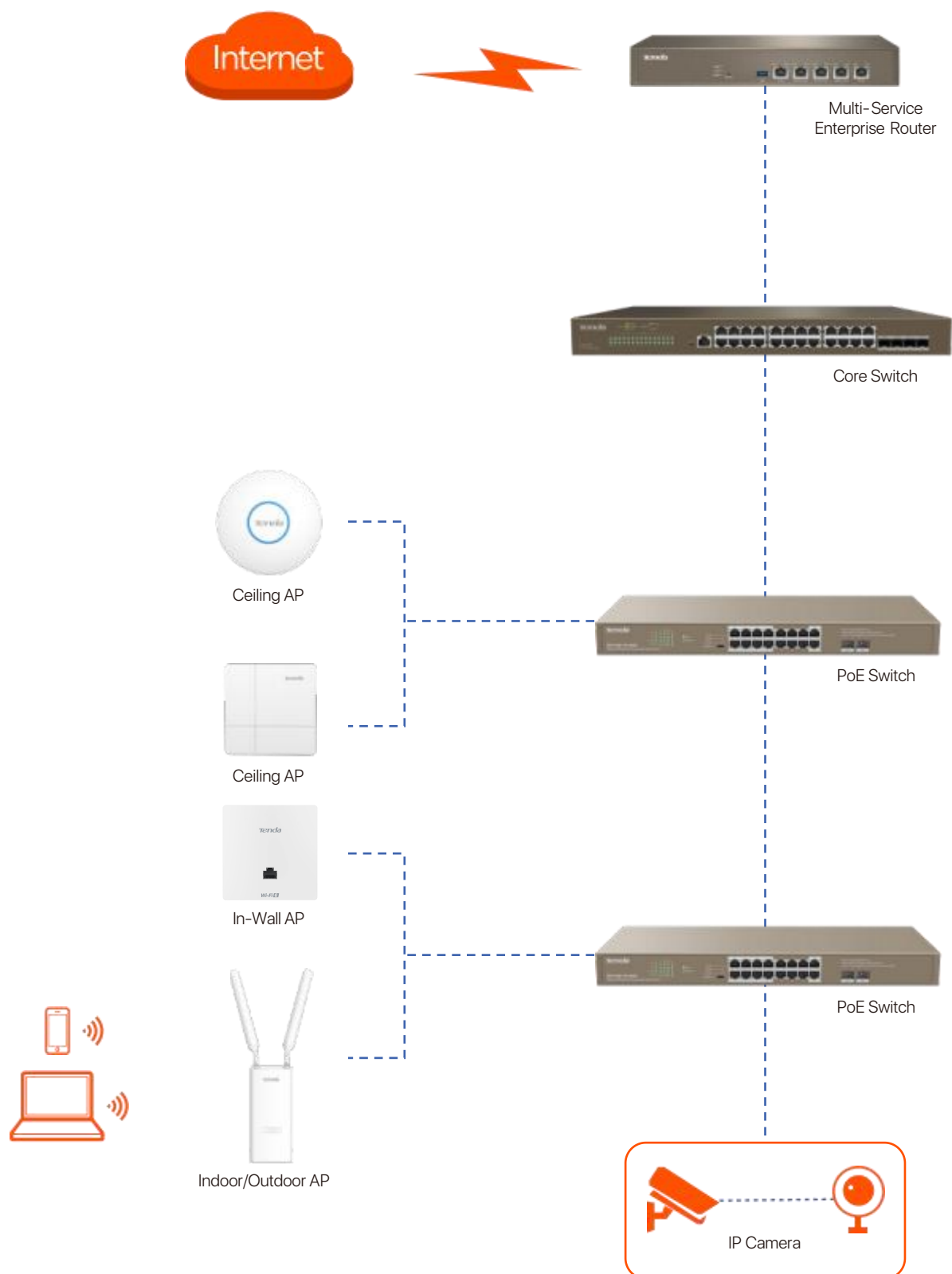
Supports 802.3at standard PoE network cable power supply; no external power supply is required. A single network cable can connect to the switch for both PoE power supply and data transmission. Plug and play – no need to consider socket location, power line routing, or similar issues. This allows for convenient wiring, flexible networking, and easier installation.



Remote collaboration management

Supports unified deployment, configuration, and management of devices. With the Tenda CloudFi cloud platform and Tenda CloudFi app, you can perform remote monitoring, management, and maintenance anytime, anywhere. It supports automatic generation of real topology and wireless one-click optimization. You do not need to be on site to easily understand the overall situation.

Application Scenarios



Technical Specifications

Product Information	
Model	OAP3000
Category	Pole Mounting and Wall Mounting
Dimension	194.7* 83* 42.1 mm
Hardware Specifications	
Interface	1*Gigabit Ethernet Port
Button	Reset
Power Supply	802.3at PoE, 48-51V Passive PoE
Maximum Power Consumption	16.8W
Port Surge Protection	6KV
Antenna	2*5dBi detachable omnidirectional
MIMO	2.4GHz, 2×2, MU-MIMO 5GHz, 2×2, MU-MIMO
Transmit Power	• CE: <20 dBm (2.4 GHz, EIRP), <23 dBm(5 GHz, EIRP) • FCC: <28 dBm (2.4 GHz), <28 dBm(5 GHz)
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, 5470 MHz-5.725 MHz, 5725 MHz-5850 MHz
Standard & Protocol	IEEE 802.11 a/b/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: 4
Hide SSID	Supported
Max. Number of Clients	256
Recommended Clients	80
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	
MU-MIMO	Supported
Diagnostics tool	Supported
Reboot at specified interval	Supported
Scheduled reboot	Supported
Firmware upgrade	Local upgrade Online upgrade
Reset	Supported
Backup configuration	Supported
Restore configuration	Supported
Others	
Management Address	tendawifi.com 10.16.16.169
Operation Temperature	-30°C ~ 60°C
Operating Humidity	10%~90% non-condensing
Storage Temperature	-30°C ~ 70°C
Storage Humidity	5%~90% non-condensing

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