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# **WAP5-1200**

11AC 1200Mbps Wireless In-Wall Access Point

## Products Description

The WAP5-1200 is a panel type wireless access point (AP) launched by TG that supports dual bands (2.4G and 5G). The product uses Qualcomm professional chips, supports IEEE 802.11a/b/g/n/ac, supports a maximum transmission power of 20dBm, built-in gain 3dBi omnidirectional antenna, can provide a maximum access rate of 1200Mbps, dual-frequency access, performance Strong, strong anti-interference ability, to meet the indoor high-speed access needs. WAP5-1200 supports 802.3at/af PoE power supply, power supply and data transmission are integrated, wiring is simple, convenient for construction, and does not pull strong electricity.

The WAP5-1200 adopts a flat and thin body, a simple design, which is both beautiful and practical, and it is not obtrusive to install and use side by side with other panels; the device supports two 10/100/1000M network ports, and it also supports external devices while providing WIFI applications. (IPTV, wired, etc.), to meet the diverse needs of scenarios; support up to 16 Chinese and English SSIDs, combined with SSID VLAN, can support different SSIDs, different VLANs, to achieve logical network isolation; the device supports fat and thin integration, supports seamless roaming, Support local AC and Wanwang Zhiyun centralized operation and maintenance management to realize the operation and maintenance management of equipment anytime, anywhere.

## Main Features

* **Superior performance**

The WAP5-1200 features a professional network processor based on a multi-core architecture with high throughput and high load capability. 5GHz band using a new generation of WiFi wireless standard 802.11ac protocol, the maximum access rate of 1167Mbps machine, excellent performance to meet the needs of users of high-speed Gigabit.

* **Thin and light body**

It adopts a simple and thin body design with a thickness as low as 35mm. It will not appear abrupt when used side by side with other panels, and the decoration style is beautiful and exquisite.

* **Intelligent authentication management**

The WAP5-1200 cooperates with the TG wireless controller to support different authentication schemes based on SSID. The authentication methods include: authentication-free, one-key authentication, WeChat authentication, SMS authentication, key authentication, built-in account uthentication, Radius authentication, and external server authentication. A wealth of authentication strategies to meet the needs of a variety of user authentication.

* **Intelligent seamless roaming and load balancing**

Wireless user association WAP5-1200, in the wireless signal coverage within the mobile, you can ensure seamless roaming in the two-tier network, and the user in the process of roaming network business is not interrupted. At the same time WAP5-1200 support based on the number of users and frequency-based load balancing, when the TG wireless controller found that the AP load exceeds the threshold, if a new user access, TG wireless controller automatically calculated according to the current wireless network environment, the user then Into the lighter load AP

* **Link aware, intelligent switching**

WAP5-1200 support Fat / Fit two modes of operation, according to the current network conditions for intelligent switching. Which can achieve the traditional "Fit AP + AC" centralized network architecture, when the TG wireless controller failure occurs, WAP5-1200 also through the TG private protocol, rapid perception of abnormal, intelligent switch to Fat mode, to continue the data forwarding.

* **Local forwarding**

WAP5-1200 combined with TG wireless controller, can open the local forwarding mode, greatly reducing the wireless controller forwarding traffic, ease the flow pressure, abnormal controller in the case of wireless controller does not affect the normal communication of wireless networks.

* **plug and play**

WAP5-1200 work in Fit mode, in the field installation and post-maintenance, AP no need to reconfigure, TG wireless controller quickly find access to the new AP, AP start within 3 seconds to complete the template configuration, convenient and quick. TG wireless controller can be a key release configuration, AP batch synchronization configuration, greatly reducing the installation, operation and maintenance costs.

* **Intelligent RF management**

The WAP5-1200 provides automatic power and channel adjustment. Through the exclusive RF detection and RF management algorithm to optimize the RF coverage effect. When the AP signal is subject to external strong signal interference, through the control AP automatically switch to the appropriate working channel to avoid interference signals, reduce the interference with the adjacent.

## Product Specifications

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| **Product Information** | |
| Product Model | **WAP5-1200** |
| **Hardware specifications** | |
| Fixed port | 2\*10/100/1000 Base-TX port |
| Maximum Data Rate | 1167Mbps |
| Max Rf Transmit Power | 20dBm |
| Internal Antennas | Omnidirectional antenna with built-in gain 3dBi |
| Operating frequency band | 802.11b/g/n: 2.4 GHz to 2.483 GHz (China)  802.11ac/a/n: 5.15GHz~5.35GHz,5.725 GHz to 5.850 GHz (China) |
| Power Consumption | <8W |
| Dimensions | 86mm×86mm×35mm |
| PoE | 802.3af/802.3at power supply supported |
| Buttons | 1\*RESET |
| Operating/storage temperature | -10°C~50°C/-35°C~70°C |
| Operating humidity | 5%~95%(non-condensing) |
| Ingress Protection Rating | IP31 |
| MTBF | >25000H |
| **Software specifications** | |
| System Status | AP Model, AP Name, Up Time, IP&MAC Address, SSID Encryption |
| VLANs | 802.1Q, 4094 VLAN IDs (1 to 4094) and SSID-based VLAN assignment |
| Blacklist and whitelist | Static whitelist and blacklist are supported |
| BSSIDs | 16 |
| Broadcast Storm Suppression | Supported |
| SSID Hiding | Supported |
| User Isolation | Supported |
| Automatic channel control | Supported |
| Automatic power adjustment | Supported |
| Clients Limit | Connected user number limitation for every SSID |
| Bandwidth restriction | STA- or SSID-based rate limiting is supported from AP Controller |
| Wireless Security | 64/128 WPA-PSK,WPA2-PSK,WPA,WPA2 |
| Authentication mode | authentication-free, one-key authentication, WeChat authentication, SMS authentication, key authentication, built-in account uthentication, Radius authentication, and external server authentication. |
| Local Forward | Supported |
| Fat/Fit Mode | Supported |
| Advanced Settings | Beacon Interval,RTS Threshold,Data Beacon Rate (DTIM),Long/Short Preamble,Short Gi,A-MPDU,A-MSDU,WMM |
| management | Telnet,HTTP,AP Controller |
| Access Control | Connect limitation based on mac address |
| Client Association Status | Support |
| Username Management | Support from Web UI or AP Controller |
| Firmware Upgrade | Support from Web UI or AP Controller |
| Backup & Restore | Supported |
| Reset/Reboot Device | Support from Web UI or AP Controller |
| System Log | Supported |
| Reboot Schedule | Supported |

## Order Information

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| **Product Information** | **Detailed information** |
| WAP5-1200 | 2.4G&5G 11ac dual-band 1200Mbps,1 x uplink LAN interface +1 x downlink LAN interface 1000M Port, PoE power supply |

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