Tavan Tipi Access Point Çözümleri

CAP6-1800

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11AX 1800M Wireless Dual Band Ceiling Mount Access Point

Products Description

CAP6-1800 indoor wireless AP is based on the latest Wi-Fi 6 standard, supports 2×2 MU-MIMO technology, OFDMA space division multiplexing technology and 1024QAM modulation and demodulation algorithm. The maximum rate of the whole machine can reach 1.775Gbps, which can provide faster wireless Internet access and greater wireless coverage. The product's maximum transmission rate of up to 1.775Gbps can easily meet the bearer use of various wireless services, such as multimedia services such as video and voice, and provide intelligent radio frequency, service quality assurance, and seamless roaming.

CAP6-1800 indoor wireless AP adopts Gigabit Ethernet port uplink to ensure wireless high-speed transmission; supports local power supply and POE remote power supply, and can be flexibly selected according to the customer's on-site power supply environment. With the wireless controller, it provides a high-performance, wide-penetrating, more stable, easy-to-operate, and safer wireless coverage solution for high-traffic, high-concurrency conference rooms, mobile game halls, smart classrooms and other scenarios.

The CAP6-1800 indoor wireless AP has a beautiful appearance and is easy to install. It is suitable for ceiling, wall and desktop installation.

Main Features

■ **Superior performance**

The CAP6-1800 wireless access point complies with the new generation Wi-Fi6 protocol standard and is backward compatible with 802.11a/b/g/n/ac/Wave2. Support MU-MIMO, Wi-Fi6 5G, a single spatial stream rate of 600Mbps, allowing the AP to receive data sent by multiple terminals at the same time. 2.4G radio frequency 0.575Gbps, 5G radio frequency up to 1.2Gbps, and the maximum transmission rate of the whole machine can reach 1.775Gbps, which can effectively provide higher performance wireless access services in terms of coverage, access density, and stable operation. Designed to provide a higher-speed, high-throughput wireless network that can provide more users with higher data throughput in a crowded wireless environment.

■ **Uplink gigabit link**

It has two 10/100/1000Base-T Ethernet ports, and both uplink and downlink use gigabit speeds, which breaks through the traditional 100M speed limit, making wired ports no longer a bottleneck for wireless access.

■ **Intelligent authentication management**

The CAP6-1800 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 CAP6-1800, 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 CAP6-1800 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**

CAP6-1800 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, CAP6-1800 also through the TG private protocol, rapid perception of abnormal, intelligent switch to Fat mode, to continue the data forwarding.

■ **Local forwarding**

CAP6-1800 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.

■ **Dual POE power supply redundancy**

CAP6-1800 supports dual POE power supply redundant backup. Both of the two Gigabit Ethernet ports support POE power supply. When one network port is abnormal, the other network port can be used as a backup POE power supply network port, which will not affect the normality of the product. Use, can greatly improve the stability of the product;

- **plug and play**

  CAP6-1800work 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 CAP6-1800 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

Product Information	
Product Model	**CAP6-1800**
Hardware specifications	
Fixed port	2*10/100/1000 Base-TX port
Maximum Data Rate	1775Mbps
Max Rf Transmit Power	20dBm
Internal Antennas	Built-in 4 intelligent omnidirectional antenna (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	<18W
Dimensions	200mm×200mm×45mm
PoE	802.3af/802.3at power supply supported
Local power supply	12V/1.5A
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	>8000H
Software specifications	
System Status	Support AP model, the name of information display, AP run time display, IP, MAC information display, SSID, encryption, security mode display, working mode display
LAN port settings	Support LAN port IP automatic acquisition and manual configuration
VLANs	802.1Q, 4094 VLAN IDs (1 to 4094) and SSID-based VLAN assignment
Blacklist and whitelist	Static whitelist and blacklist are supported
RF control	Support radio frequency to turn on or off
Wireless Mode	11b,11g,11b/g,11b/g/n,11n,11a,11a/n,11ac,11ax
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.
Forwarding mode	Local forwarding and centralized forwarding
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	Supported
Username Management	Supported from Web UI or AP Controller
Firmware Upgrade	Supported from Web UI or AP Controller
Backup & Restore	Supported
Reset/Reboot Device	Supported from Web UI or AP Controller
System Log	Supported
Reboot Schedule	Supported

Order Information

Product Information	Detailed information
CAP6-1800	2.4G&5G 11ax dual-band 1775 Mbps,1 x uplink WAN interface +1 x downlink LAN interface1000M Port,Power supply:DC-48V/0.32A or POE-IEEE802.3at.

GelecekBT Bilgi Teknolojileri
www.gelecekbt.com
0212 3204030
bayi@gelecekbt.com