



WA1120i

802.11ac Wall Plate Access Point- Datasheet

Data Sheet

Shenzhen TG Botone Technology Co., Ltd

Overview

TG WA1120i is the latest generation 802.11ac Wall Plate Access Point which can be installed in any 86mm wall plate without breaking the existing decorations and is easily managed. TG WA1120i is well suited for hotel rooms, school dormitories, and other sites with densely divided rooms.

Product Appearance



Product Features and highlights

■ Easy to Configure and Deploy

TG WA1120i uses the international standard wall plate design, can install by any 86mm EU Type wall jack, uplink with PoE input (802.3af), Pass through port allows native connectivity for existing digital phones.

■ Dual Fat/Fit mode

TG WA1120i supports Fat and Fit modes, which can flexibly switch between the two according to your network planning, and specify its shipping mode.

Users can start small, acquire the corresponding network equipment and set it to Fat mode. As the number of users grows which tens and hundreds of network devices are installed, the user is recommended to add more TG Box to simplify network management and centrally manage all wall plate series AP. All the users need to do is to switch the APs to Fit mode.

■ VLAN For multi SSID

TG WA1120i can be configured to broadcast up to 4 SSIDs. Each SSID can be tagged to a specified network VLAN to establish different internet access rights.

■ Green design

TG WA1120i employs a green design which supports dynamic MIMO power saving (DMPS), enhanced automatic power save delivery (E-APSD), and smart identification of real terminal network requirements. It can dynamically adjust the MIMO working mode and efficiently put terminals to sleep from time to time.

TG WA1120i mode supports single radio standby and allows for more precise control in power saving.

Product Specifications

Specification	
Item	Description
Fixed port	3*10/100/1000M Ports,2*10/100/1000M passthrough Ports , 1*USB 2.0
Maximum Data Rate	1167Mbps
Max Rf Transmit Power	18dBm
Internal Antennas	2 * 2dBi
Operating frequency band	802.11b/g/n: 2.4 GHz to 2.483 GHz (China) 802.11a/n: 5.725 GHz to 5.850 GHz (China)
Power Consumption	<18W
Dimensions	150mm×86mm×35mm
PoE	DC:48V/0.5A 802.3af/at power supply supported
Buttons	1*RESET
Modulation technology	OFDM: BPSK@6/9Mbps, QPSK@12/18Mbps, 16-QAM@24Mbps, 64-QAM@48/54Mbps DSSS : DBPSK@1Mbps, DQPSK@2Mbps, CCK@5.5/11Mbps MIMO-OFDM : BPSK, QPSK, 16QAM, 64QAM,256QAM
Receiver Sensitivity	802.11b: -90dBm@1Mbps、-85dBm@11Mbps 802.11g: -90dBm@6Mbps、-68dBm@54Mbps 802.11n: -86dBm@MCS0、-68dBm@MCS7、-86dBm@MCS8、-64dBm@MCS15

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	802.11a: -90dBm@6Mbps、-68dBm@54Mbps 802.11ac: -80dBm@MCS0、-56dBm@MCS9
Operating/storage temperature	-10°C~50°C/-35°C~75°C
Operating humidity	5%~90%(non-condensing)
Ingress Protection Rating	IP31
MTBF	>8000H

Service Features

Software	
Item	Description
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
Wireless Mode	11b,11g,11b/g,11b/g/n,11n
BSSIDs	4
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, WeChat WiFi authentication, SMS authentication, key authentication, built-in account authentication, radius authentication (China)
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	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

Ordering Information

Items	Product Description
WA1120i	802.11ac Wall Plate Access Point, 802.11a/b/g/n/ac, 2x2 MIMO

Contact us



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