

WA5120i

Outdoor 802.11ac Dual Band Access Point

Data Sheet

Shenzhen TG Botone Technology Co., Ltd

Overview

TG WA5120i is the latest generation of Outdoor 802.11ac Dual Band Access Point, features 2*2 MIMO technology, supports simultaneous dual band in 2.4 and 5GHz for 1167Mbps wireless speeds, Gigabit Ethernet port ensures high speed Internet access. TG WA5120i is compact, aesthetically pleasing, and can either be mounted on walls or ceilings.

TG WA5120i is well suited for mall, hotel, company and the other ultra-high density environments.

Product Appearance



Product Features and highlights

■ Industrial-Class Hardware Design

TG WA5120i is Dedicated high-power amplifiers, professional antennas, and professionally designed RF shields ensure excellent wireless performance. Enterprise-class chipsets offer outstanding performance and support longer running time, higher client capacity, and wider range.

■ Dual Fat/Fit mode

TG WA5120i 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 WA5120i 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.

Product Specifications

Specification	
Item	Description
Fixed port	1 10/100/1000M Port,1 Console Port (USB)
Maximum Data Rate	1167Mbps
Max Rf Transmit Power	27dBm
Internal Directional Antennas	14dBi
Operating frequency band	802.11b/g/n : 2.4GHz~2.483GHz 802.11ac/n/a : 5.15GHz~5.35GHz,5.725GHz~5.850GHz
Power Consumption	<21W
Dimensions	239mm×195mm×83mm
PoE	802.3at/af power supply supported
Buttons	1*RESET

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Modulation technology	<p>OFDM: BPSK@6/9Mbps, QPSK@12/18Mbps, 16-QAM@24Mbps, 64-QAM@48/54Mbps</p> <p>DSSS: DBPSK@1Mbps, DQPSK@2Mbps, CCK@5.5/11Mbps</p> <p>MIMO-OFDM: BPSK, QPSK, 16QAM and 64QAM</p>
Receiver Sensitivity	802.11b : -91dBm@1Mbps、 -85dBm@11Mbps
	802.11g : -90dBm@6Mbps、 -72dBm@54Mbps
	802.11n : -86dBm@MCS0 、 -73dBm/-68dBm@MCS7 、 -88dBm/-86dBm@MCS8 、 -64dBm@MCS15
	802.11a : -90dBm@6Mbps、 -72dBm@54Mbps
	802.11ac: -85dBm@MCS0、 -60dBm@MCS9
Operating/storage temperature	-40°C ~ 65°C/-40°C ~ 85°C
Operating humidity	0% ~ 100%(non-condensing)
Wind Resistance	165 Miles/h
Protection Rate	IP67

MTBF	>250000
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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

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	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

Ordering Information

Items	Product Description
WA5120i	Outdoor 802.11ac Dual Band Access Point,802.11a/n/ac+802.11b/g/n,2x2 MIMO

Contact us



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