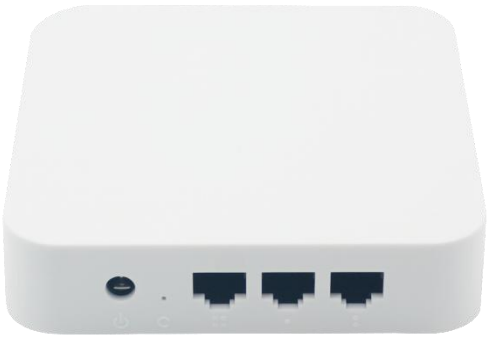
GAP58 Gateway AP



GAP58, a gateway AP with multiple functions dedicated for small-and-medium stores, is from ABLOOMY Technologies Inc. (ABLOOMY)' s self-led research and development. Taking wired and wireless network, VSM is equipped with an uplink port connecting Internet, 2* Ethernet ports which supports 733Mbps transmission rate. GAP58 support both gateway function and 802.11b/g/n/ac client accessing.

Features

Plug-and-Play

With zero configurations, ABLOOMY access points can be activated and up-and-running in seconds.

Self-optimizing

The Tx power can be adjusted automatically based on the RF environment to achieve the best wireless coverage; the automatic radio channel adjustment ensures that the AP is running on the best radio channel to reduce RF interference and congestion.

Load Balancing

Supports load balancing based on users and traffic.

Band Steering

Manages radio-band usage and pushes clients to use 5GHz channels for lower interference and better performance.

Network functions

Support NAT, Firewall, QoS and other network gateway functions.

Security

Advanced security features, such as WPA2-AES, 802.1X, firewall, role-based access control, rogue AP detection and user isolation, help to create enterprise secure wireless networks.

Guest networks

Provides isolated internet-only access for visitor. Enforces customized network access control policies.

Traffic shaping

Controls bandwidth usage based on ports, users and vlan.

Data analytics

Collects and visualizes the data from both the network and the physical world, providing visibility regarding network status and visitor statistics.

Location Based Service

Tracks client location with a patented algorithm based on Wi-Fi RF fingerprint, providing the client with proper localized services.

Automatic Maintenance

By monitoring the network status in real time, the AP system will create alerts, providing the knowledge for rapid troubleshooting. It also supports batch upgrading based on AP locations, models, versions, and other similar information. Upgrades can be scheduled autonomously, allowing for automatic network maintenance.

Specifications

Models	GAP58
Dimensions	117mm x 117mm x 26mm
Weight	150g
Interface	1*10/100Base-Tx WAN/LAN port 2*10/100Base-Tx LAN port 1* reset button
Antenna	Internal 2 omnidirectional antenna 2.4G antenna gain≥2dBi; 5G antenna gain≥2dBi;
MIMO Streams	2.4GHz: 2x2 5GHz: 1x1
Max Data Rates	733Mbps
Power Supply	DC 12V
Standards	IEEE802.11a/b/g/n/ac 2.4GHz&5GHz
Power consumption	4.5W(max)
Max Tx Power	2.4G：20dBm 5G：20dBm Subject to local regulations
Frequency	IEEE802.11b/g/n:2.4000GHz~2.4835GHz； IEEE802.11a/ac:5.15~5.25GHz;5.25~5.35GHz;5.47-5.725GHz;5.725~5.85GHz； Applicable to country/area restrictions
Channel	America/Canada:1-11, Europe (ETSI X30) :1-13, Japan X41:1-13 5GHz depends on the configured regulatory area: 36~165
Adjustment	802.11b:BPSK,QPSK,CCK； 802.11a/g/n/ac:BPSK,QPSK,16-QAM,64-QAM,256-QAM
Operating Temperature	0℃~50℃
Operating Humidity	1%~90% non-condensing
Load Balance	Support the load balance based on AP traffic and users
Probe	Support
QOS	Support bandwidth control based on users, role, time, location, etc.
Forwarding Mode	Support local forwarding and Central forwarding
Band steering	Support
IPV6	Support
Soft GRE	Support
User Management	Support Web, CLI, SSH user management
Alerts	Support AP status alerts
RF	Auto and manual channel adjustment Adjustable power output

	Support seamless roaming
AP access	Broadcast discovery DHCP Option 43 DNS domain discovery Access across Internet and VPN remotely
Security	802.1X authentication Facebook authentication Google authentication SMS authentication Senseless authentication No authentication White and black list User isolation Wireless intrusion detection Detect and prevent rogue AP Role-based user rule Bandwidth control
Access control	IP-based filtering MAC-based filtering Protocol-based filtering Port-based filtering
Statistics	Statistics of access history Statistics of locations Network state, the online time of AP and users
Protocol	PPPoE, static IP, DHCP DHCP Server NAT DNS agency
Wireless optimization	Limit low-speed client connection Limit number of SSID clients connection
Configuration management	Support Web, CLI, SSH user management