

# MAIPU

## 2023 COMMERCIAL CLOUD WI-FI SOLUTION

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迈普大厦



# AGENDA

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CHAPTER 1	2023 CLOUD INTERNET GATEWAY PRODUCT LINE
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CHAPTER 3	2023 MMC CLOUD MANAGEMENT PLATFORM
CHAPTER 4	2023 CLOUD MANAGED WI-FI TYPICAL SCENARIOS



# IGW500 Series Internet Gateway Hardware Specification



Product Model	IGW500-1500	IGW500-1000	IGW500-500	IGW500-200 IGW500-200-P	IGW500-100 IGW500-100-P
<b>Performance</b>	1.5Gbps	1.2Gbps	1Gbps	500Mbps	500Mbps
<b>Power Supply</b>	Single AC Power	Single AC Power	Single AC Power	Built-in Single AC Power (IGW500-200) External Adaptor (IGW500-200-P)	Built-in Single AC Power (IGW500-100) External Adaptor (IGW500-100-P)
<b>Interfaces</b>	2*GE SFP+8*GE RJ45	2*GE SFP+8*GE RJ45	2*GE SFP+8*GE RJ45	12*GE RJ45	5*GE RJ45
<b>WAN Ports</b>	1-4	1-4	1-4	1-2	1-2
<b>FLASH</b>	8G	8G	4G	256M	256M
<b>Memory</b>	4G	4G	1G	512M	512M
<b>PoE Port</b>	N/A	N/A	N/A	8*PoE Out (IGW500-200-P)	4*PoE Out (IGW500-100-P)
<b>PoE Budget</b>	N/A	N/A	N/A	100W (IGW500-200-P)	60W (IGW500-100-P)
<b>PoE Standard</b>	N/A	N/A	N/A	802.11af/at	802.11af/at
<b>Working Mode</b>	Gateway Mode Controller Mode	Gateway Mode Controller Mode	Gateway Mode Controller Mode	Gateway Mode Controller Mode	Gateway Mode Controller Mode
<b>Managed AP No. (Gateway Mode)</b>	128	64	32	16	16
<b>Managed AP No. (Controller Mode)</b>	512	256	128	64	32
<b>Controller HA</b>	1+1 Backup	1+1 Backup	1+1 Backup	1+1 Backup	1+1 Backup





# IGW500 Series Highlight - Rich Features Combined



Controller Mode



Gateway Mode



Multiple WAN



High Availability



Flow Control



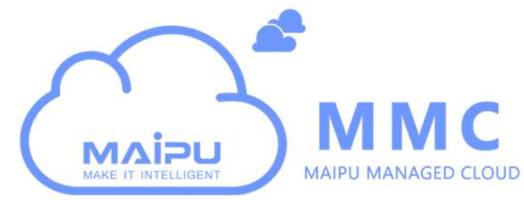
Anti-attack



Authentication

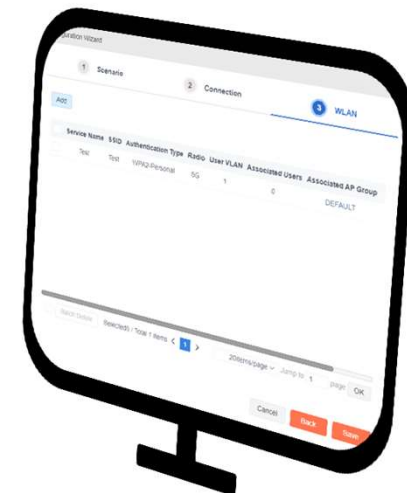
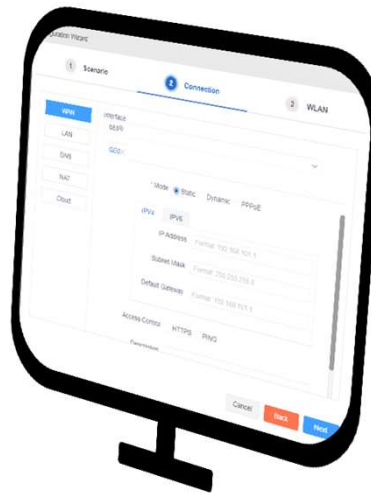
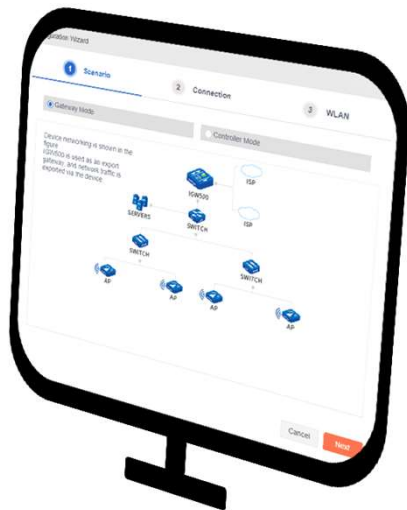


IPSec VPN



# IGW500 Series Highlight – Quickly & Easy Deployment

Wireless service provisioning can be done through the configuration wizard with a few operation steps.



Scenario Configuration

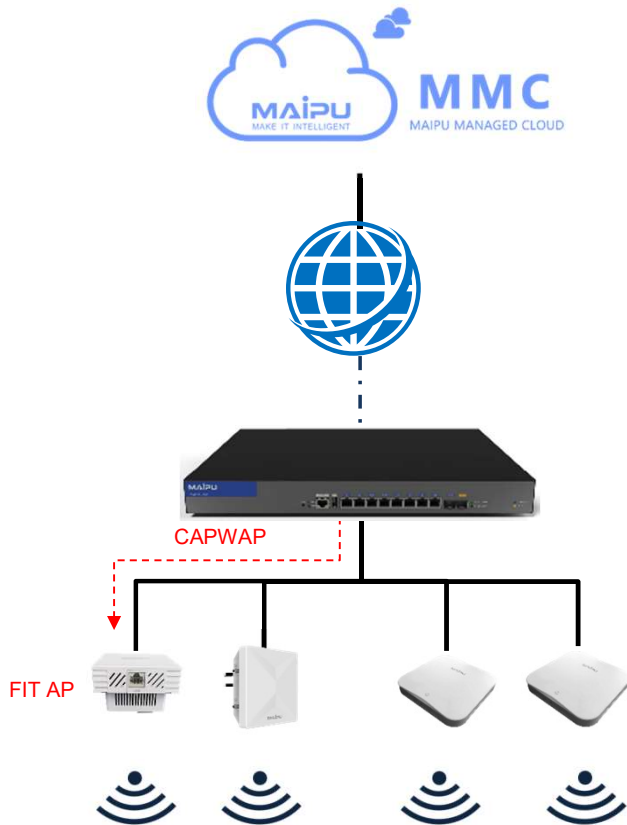
Networking Configuration

WLAN Configuration





# IGW500 Series Feature – Access Controller



AP Auto Discovery    AP Management    Channel Optimization

Wireless User    Wired User

MAC Address	IP Address	AP Name	AP MAC	SSID	Status	Mode	Rate(Mbps)	Online Duration
0e55.87a8.859c		821_Support	cc01.1f57.629c	IBD	Disassociated		6	1 minute
120e.7c20.ea60	192.168.100.29	821_Support	cc01.1f57.629c	IBD	Authorized	ax	540	1 hour 14 minutes
341c.f90.d826	192.168.100.27	821_Support	cc01.1f57.629c	IBD	Authorized	ax	648	21 minutes
4889.e720.7795	192.168.100.40	821_Support	cc01.1f57.629c	IBD	Authorized	lgn	114	39 minutes
4032.2053.3599	192.168.100.25	821_Support	cc01.1f57.629c	IBD	Authorized	ac	600	1 hour 28 minutes
73a2.82a2.82a2	192.168.100.26	821_Support	cc01.1f57.629c	IBD	Authorized	ax	432	1 hour 28 minutes
					Authorized	lgn	57	20 hours 44 minutes
					Authorized	ac	292	56seconds

STA Blacklist & Whitelist

Global Application: Disable Blacklist & Whitelist

WLAN Application: Blacklist / Whitelist

Blacklist MAC: Add, Import, Export, Sample, Delete

Whitelist MAC: Add, Import, Export, Sample, Delete

AP Patch Upgrade

File Name	Version	AP Model	Auto Upgrade when AP Online	Operation
IP300-821-PE(V2)-comb-300.3.1.4(R).bin	300.3.1.4(R)	IP300-821-PE(V2)	<input checked="" type="checkbox"/>	

AP MAC	IP Address	AP Name	Version	Online Duration	Upgrade Results
			300.3.1.4(R)	20 hours 50 minutes	Not Started
			300.3.1.4(R)	5 days 15 hours 59 minutes	Not Started

Active/Standby Configuration

Status:

Heartbeat Link:  Link Type:  IPv4  IPv6

\* Local Address:  Format: X.X.X.X

\* Peer Address:  Format: X.X.X.X

AC Address:  Link Type:  IPv4  IPv6

\* Priority:  Input range: 0-7

\* Local Address:  Format: X.X.X.X

\* Peer Address:  Format: X.X.X.X

Active / Standby

Bandwidth Guarantee

DOWNLOAD Mbps: 63.95    UPLOAD Mbps: 62.69

Ping ms: 37    10    12

AP Group: WLA

Basic Setting

SSID: IBD

\* Limit Uplink Bandwidth: 130000 Kb/s

\* Limit Downlink Bandwidth: 130000 Kb/s

\* Min. Bandwidth Guarantee: 0 Kb/s

Advanced Configuration

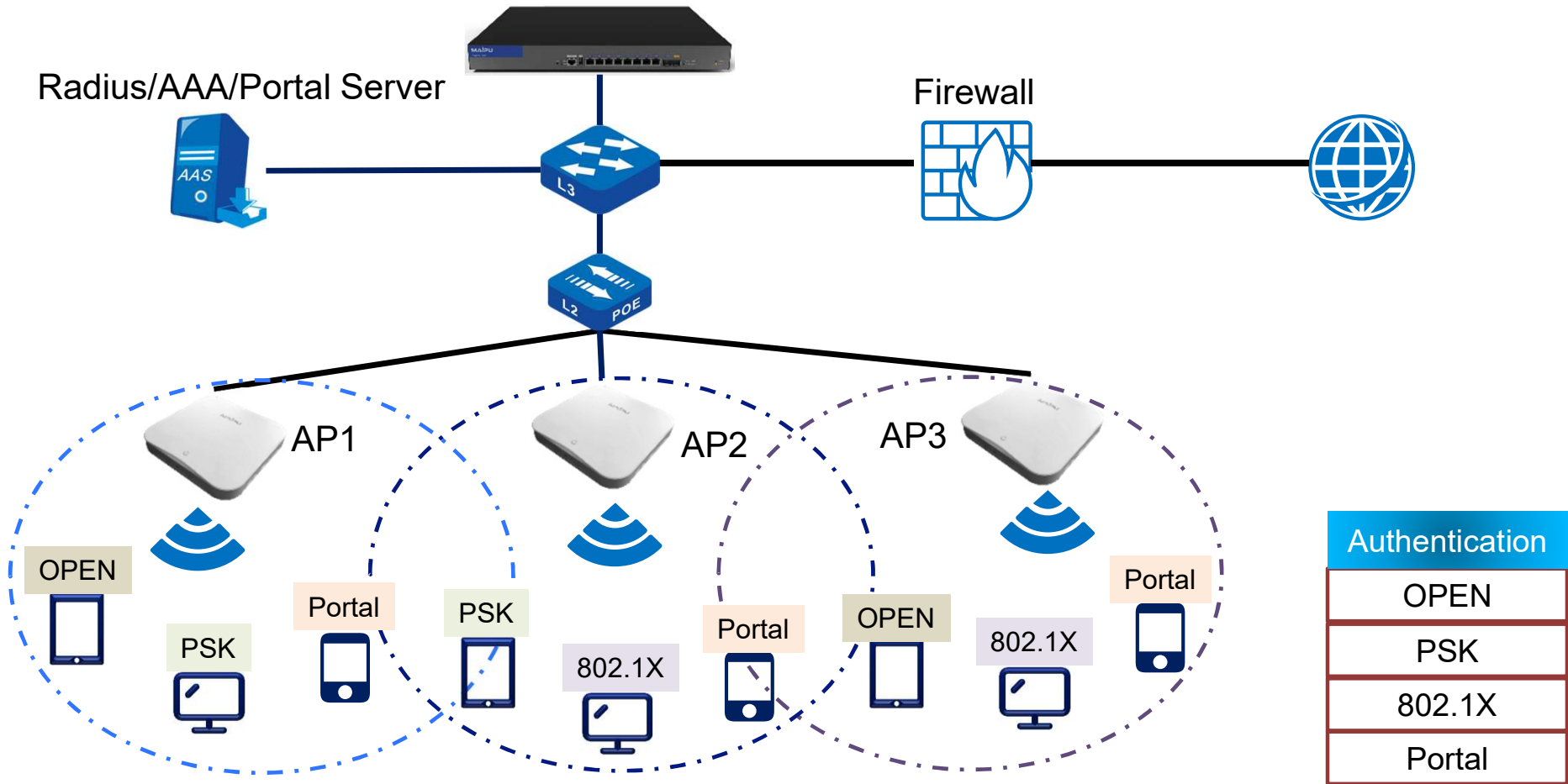
Intelligent Averaging:

AP Group Based Wireless QoS    Wireless Service Based Wireless QoS



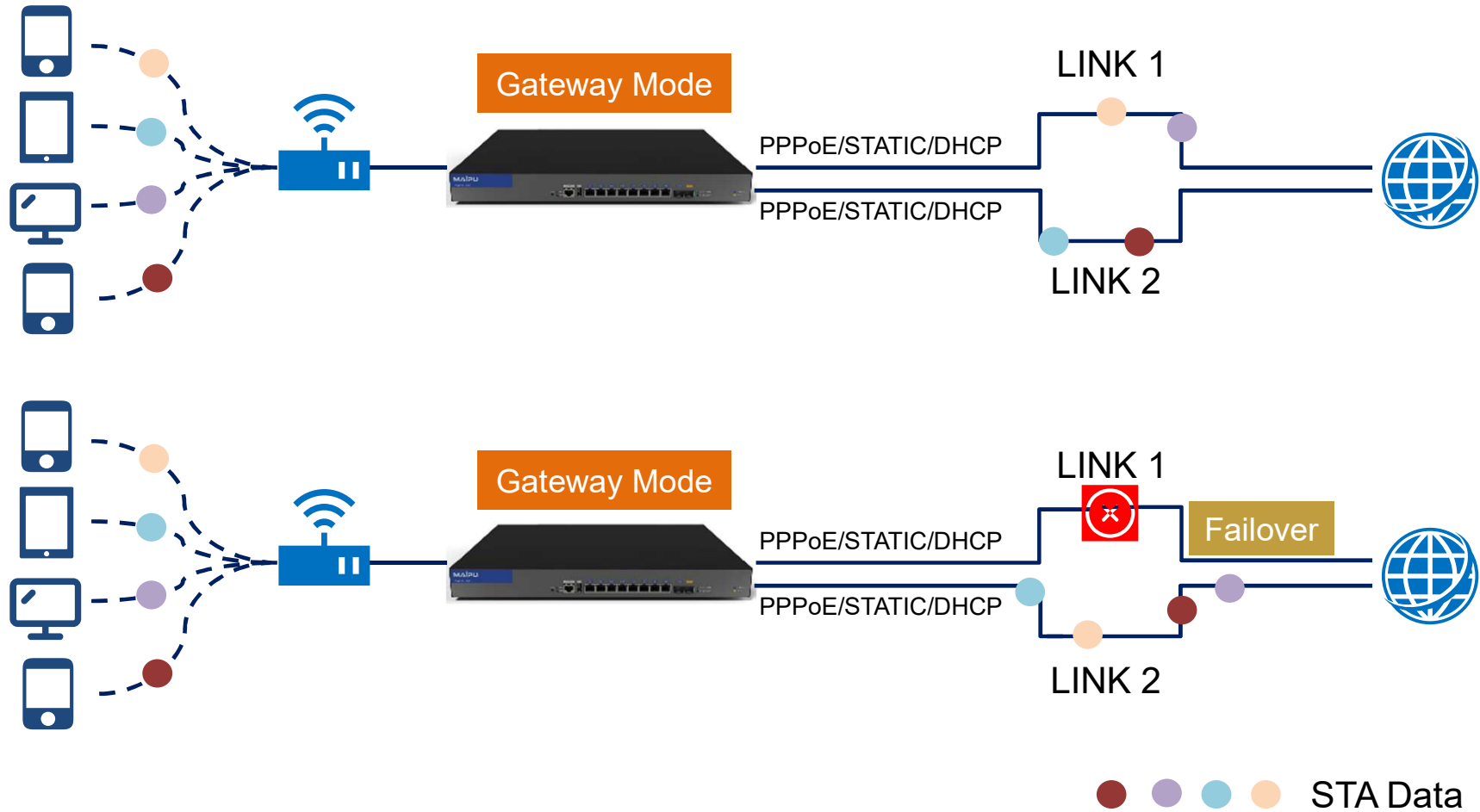


# IGW500 Series Feature - Rich Authentication Methods





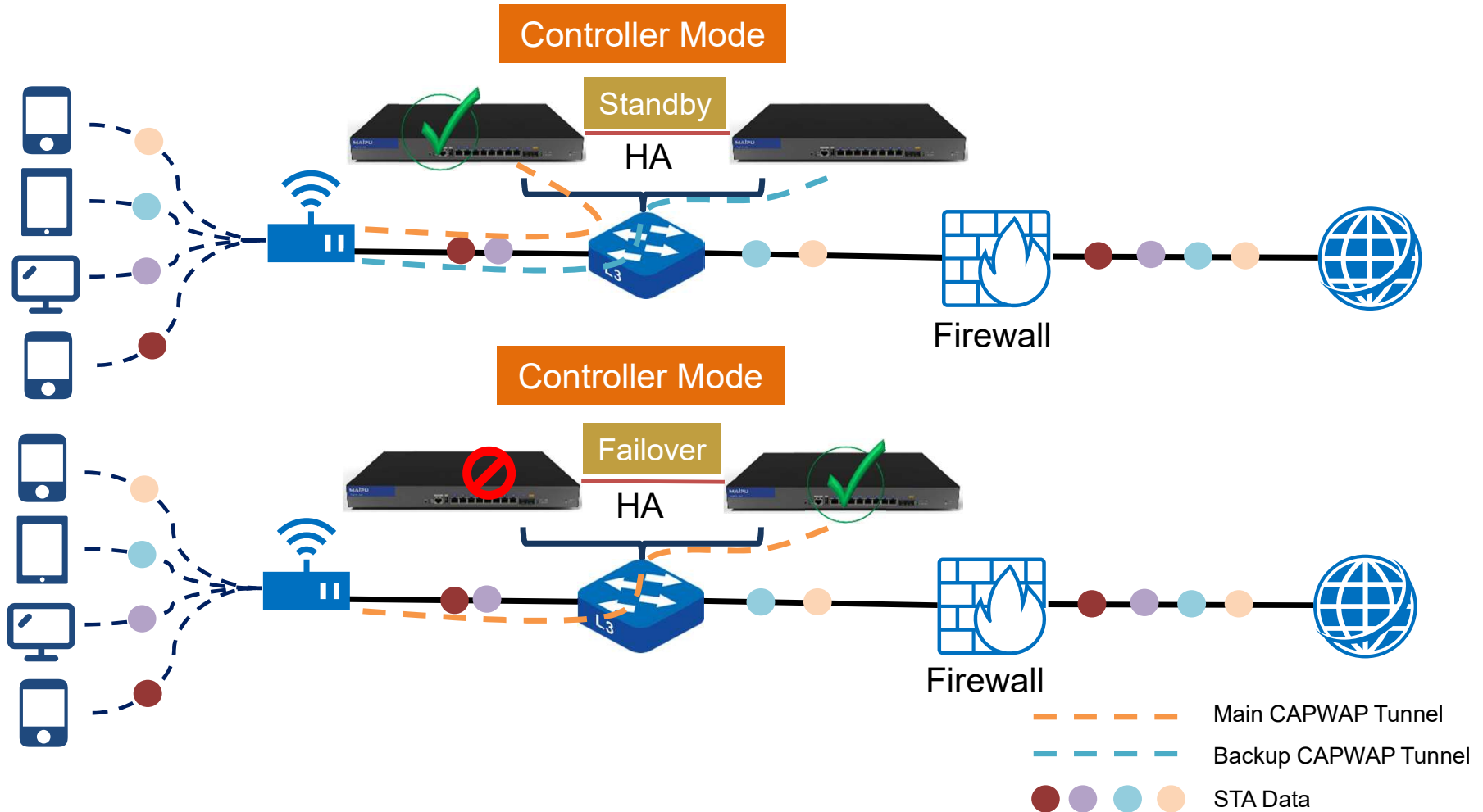
# IGW500 Series Feature – Smart Multi-WAN Failover



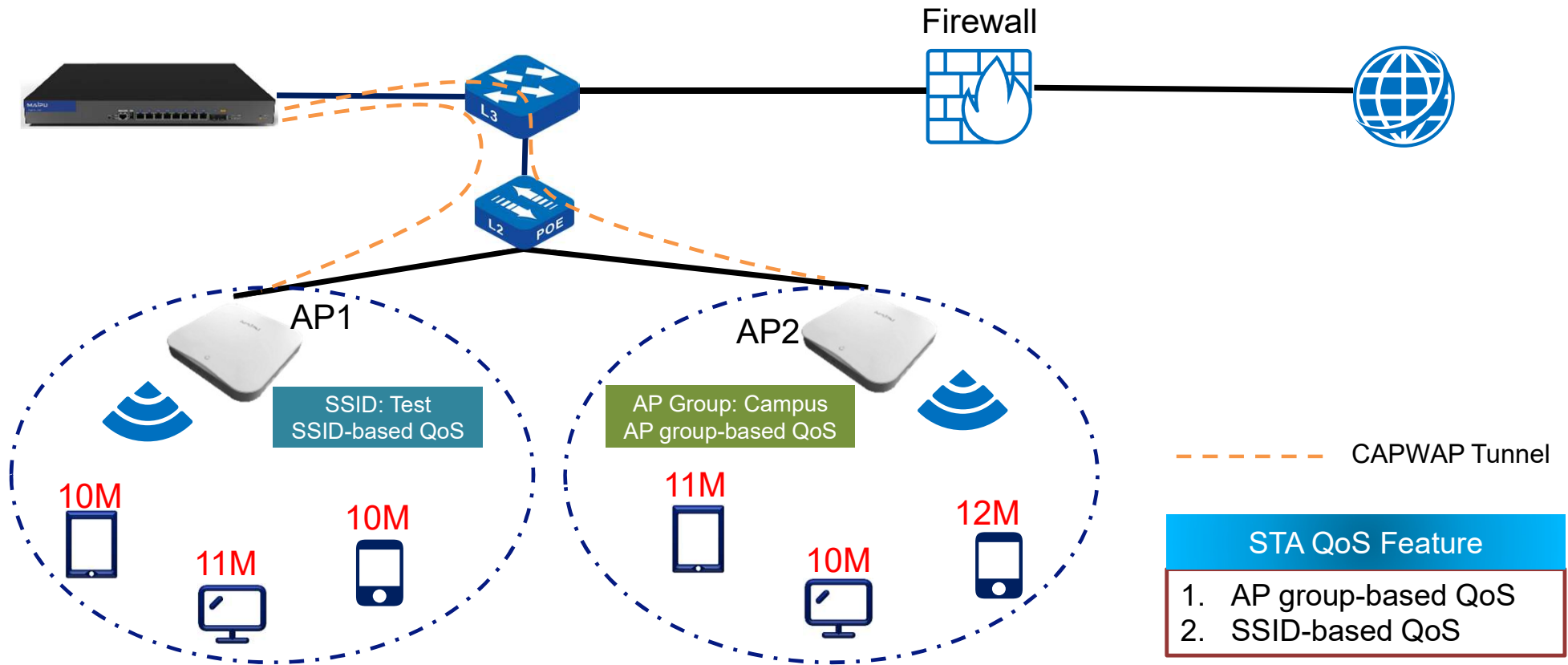




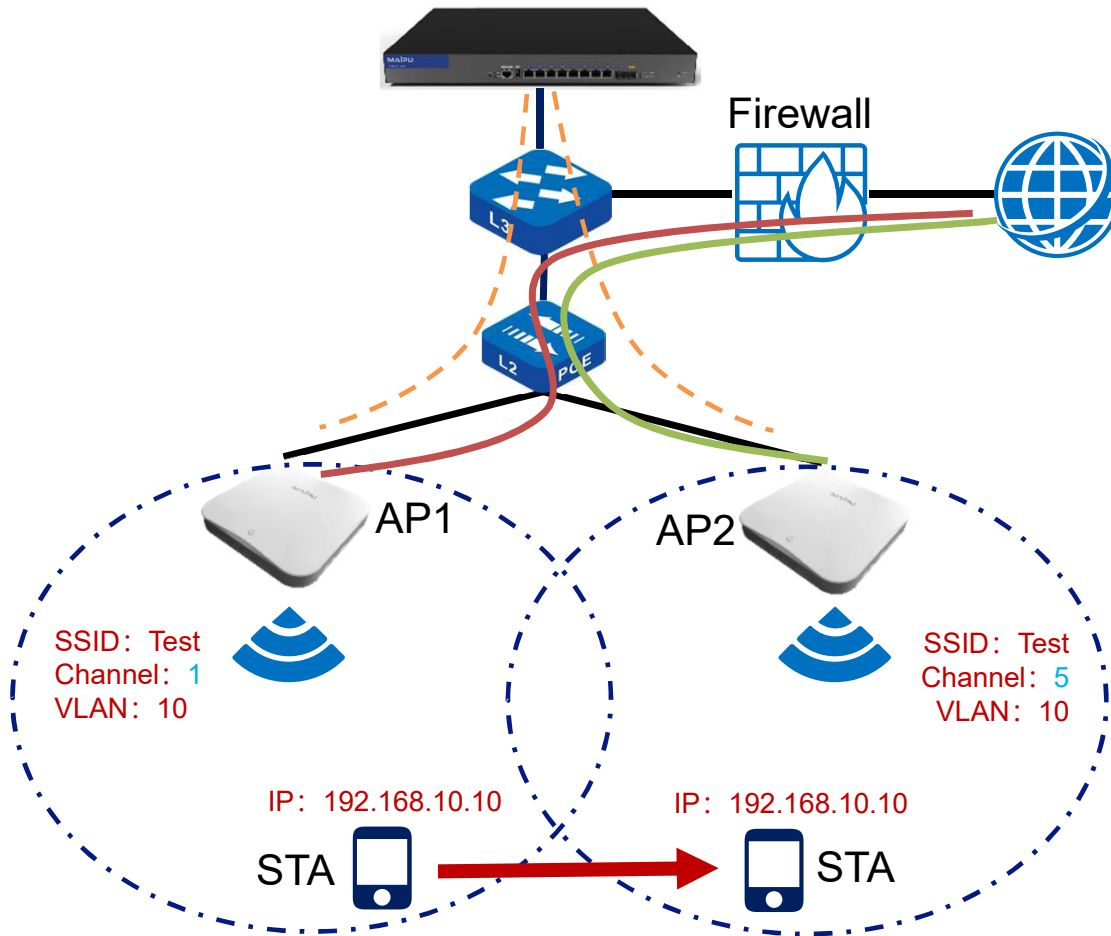
# IGW500 Series Feature – Intelligent High Availability



# IGW500 Series Feature – STA QoS



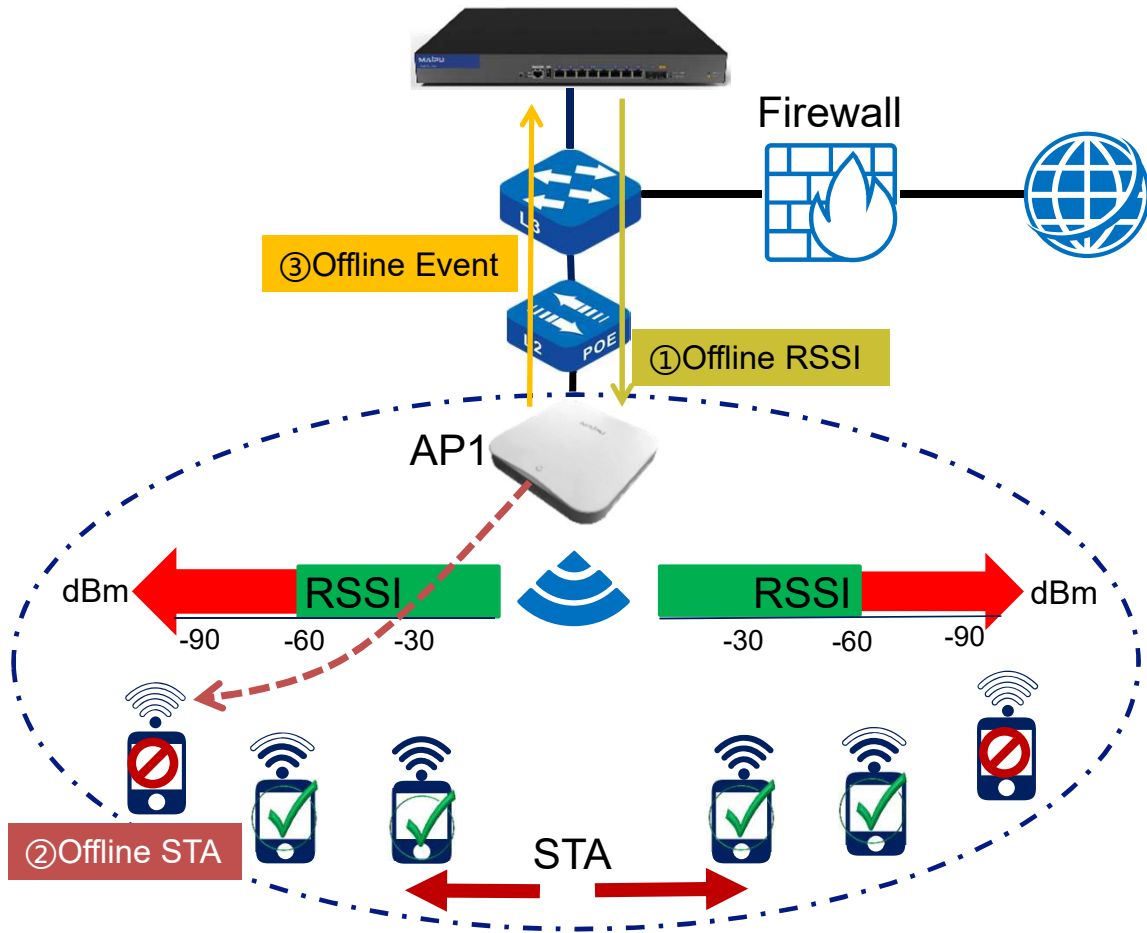
# IGW500 Series Feature – L2 Roaming



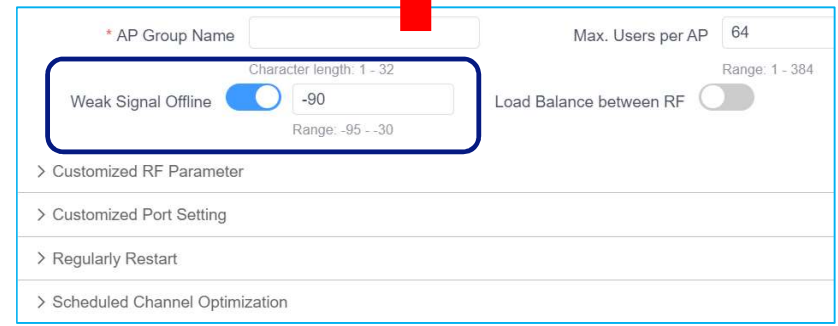
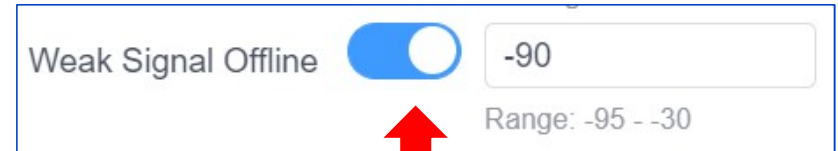
- ### L2 Roaming Feature
1. IP address of STA cannot be changed
  2. Authorization of STA cannot be changed

- CAPWAP Tunnel
- STA Data
- Roaming STA Data

# IGW500 Series Feature – Weak Signal Offline

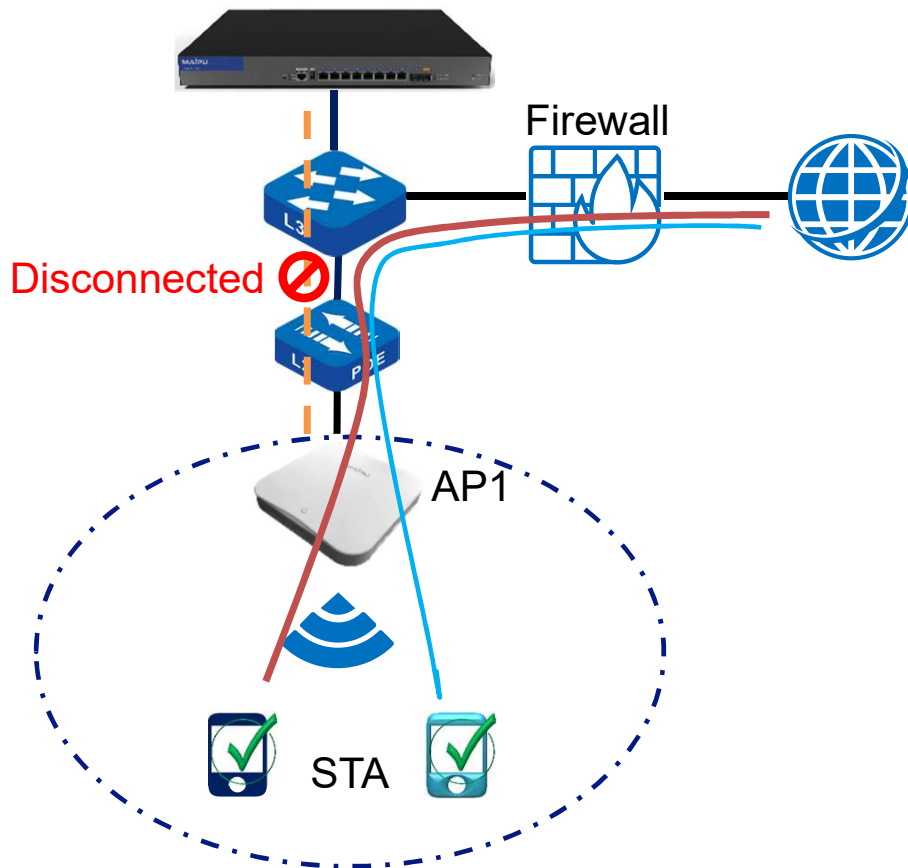


- ### Weak Signal Offline Feature
1. Enable/disable by one key
  2. Manually set offline RSSI



# IGW500 Series Feature – AP Escape

## Controller Mode



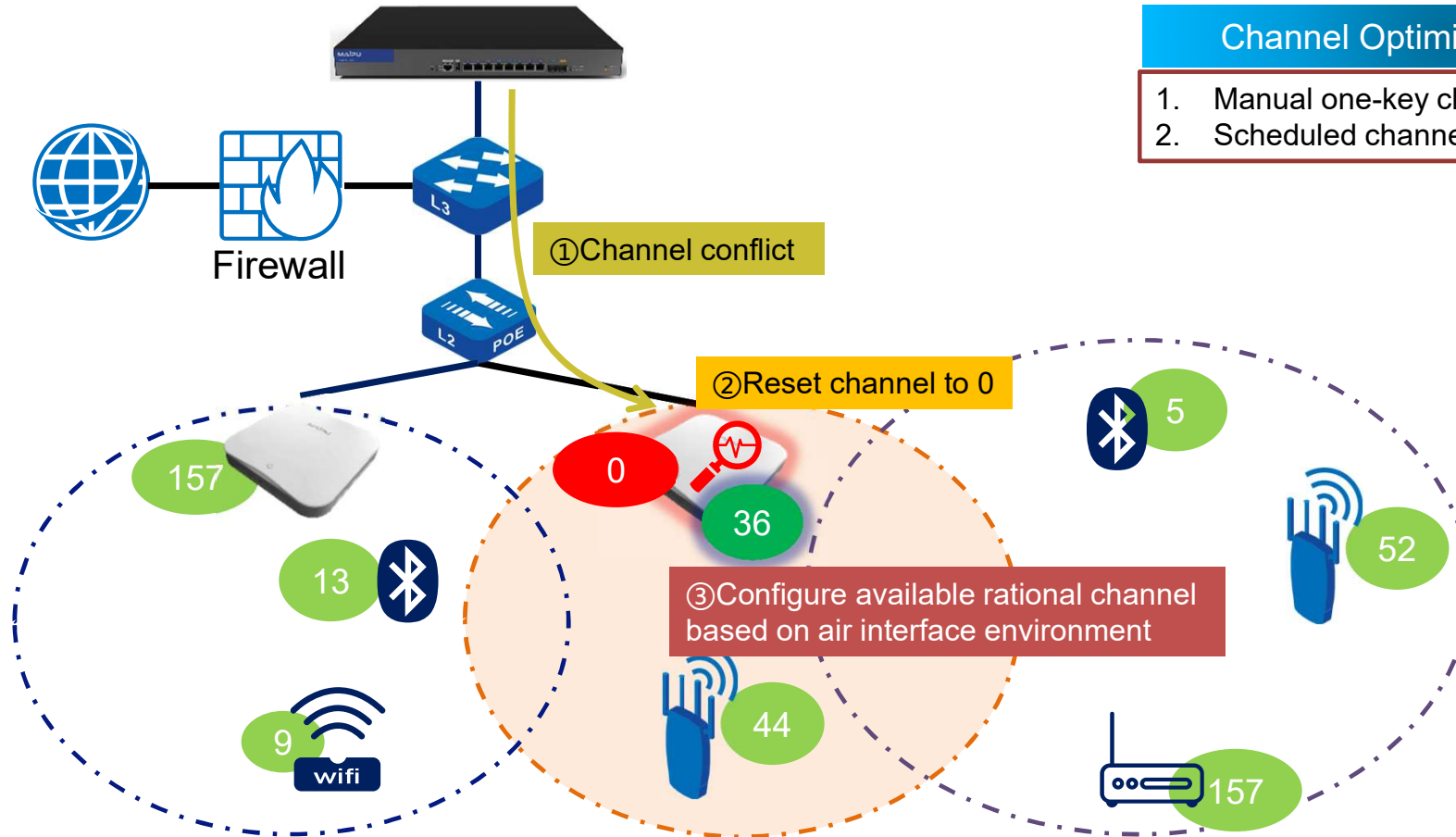
## AP Escape Feature

Enable this function, when the CAPWAP tunnel between the AP and AC is disconnected, the AP can still work independently and continuously, and provide services for wireless online users.

- CAPWAP Tunnel
- CAPWAP Connected STA Data
- CAPWAP Disconnected STA Data



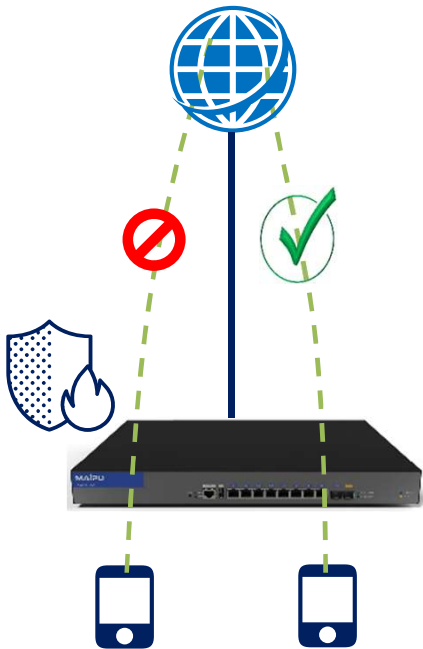
# IGW500 Series Feature – Channel Optimization



## Channel Optimization Feature

1. Manual one-key channel optimization
2. Scheduled channel optimization

# IGW500 Series Feature – Anti-attack for abnormal packets



Providing simplified security protection capabilities for SMB customers

Logs

Attack Type  Abnormal Packet Attack

fraggle     fragment     ping of death     smurf     impossible  
 Source MAC all 0     tear-drop     winnuke     TCP abnormal     UDP abnormal  
 land     traceroute     IP options

ICMP Control

Prohibit fragment packet     Prohibit redirection packet  
 Prohibit unreachable packet     Prohibit echo response packet  
 Prohibit source suppression packet     Prohibit echo request packet  
 Prohibit routing notification packet     Prohibit routing request packet  
 Prohibit timeout packet     Prohibit parameter problem packet  
 Prohibit timestamp request packet     Prohibit timestamp response packet  
 Prohibit info. request packet     Prohibit info. response packet  
 Prohibit address mask request packet     Prohibit address mask response packet  
 ICMP packet size limit

ICMPv6 Management and Control

Prohibit redirection packet     Prohibit unreachable packet

Fraggle Packet

Fragment Packet

Smuf Packet

ICMP Packet

Abnormal TCP Packet

Abnormal UDP Packet

Ping to death Packet

Tear-drop Packet

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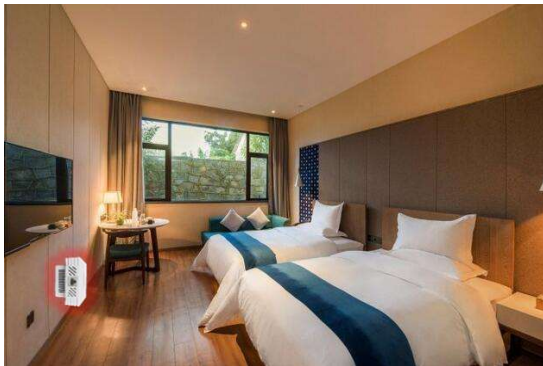


# IAP300 Series Access Point Hardware Specification

Product Model	IAP300-815-PE	IAP300-815-PE	IAP300-821-PE	WA2600-826-PTE
Hardware Version	V2	V3	V2	V2
Throughput	1755Mbps (2.4GHz 2*2: 574Mbps, 5GHz 2*2: 1201Mbps)	1775Mbps (2.4GHz 2*2: 574Mbps, 5GHz 2*2: 1201Mbps)	1775Mbps (2.4GHz 2*2: 574Mbps, 5GHz 2*2: 1201Mbps)	1775Mbps (2.4GHz 2*2: 574Mbps, 5GHz 2*2: 1201Mbps)
RF Bandwidth	802.11ax: HT80, HT40, HT20 802.11ac: HT80, HT40, HT20 802.11n: HT40, HT20	802.11ax: HT80, HT40, HT20 802.11ac: HT80, HT40, HT20 802.11n: HT40, HT20	802.11ax: HT80, HT40, HT20 802.11ac: HT80, HT40, HT20 802.11n: HT40, HT20	802.11ax: HT80, HT40, HT20 802.11ac: HT80, HT40, HT20 802.11n: HT40, HT20
Installation Mode	Indoor Wall-mounted	Indoor Wall-mounted	Indoor Ceiling-mounted	Outdoor Pole-mounted
Wireless Standard	802.11ax(Wi-Fi6)	802.11ax(Wi-Fi6)	802.11ax(Wi-Fi6)	802.11ax(Wi-Fi6)
MU-MIMO	2*2@2.4GHz, 2*2@5GHz	2*2@2.4GHz, 2*2@5GHz	2*2@2.4GHz, 2*2@5GHz	2*2@2.4GHz, 2*2@5GHz
WAN Port	1*1000M RJ45(PoE)	1*1000M RJ45(PoE)	1*1000M RJ45(PoE)	1*1000M RJ45 Combo (PoE) (RJ45+SFP)
LAN Port	1*1000M RJ45	4*1000M RJ45	1*1000M RJ45	1*1000M RJ45
Power Consumption	≤10W	≤10W	≤13W	≤25W
Working Mode	FIT	FIT	FIT	FIT
Transit Power (mW)	≤100mW (20dbm)	≤100mW (20dbm)	≤100mW (20dbm)	≤500mW (27dbm)
Multiple SSIDs	8 (2.4GHz+5GHz)	8 (2.4GHz+5GHz)	8 (2.4GHz+5GHz)	8 (2.4GHz+5GHz)
STA Authentication	OPEN/Portal/PSK/802.1X	OPEN/Portal/PSK/802.1X	OPEN/Portal/PSK/802.1X	OPEN/Portal/PSK/802.1X
Dimension(L * W * H)	86mm*86mm*54mm	162mm*86mm*45mm	180mm*180mm*31mm	275mm*230mm*80mm



# IAP300 Series Cloud Managed Access Point



- 802.11ax 1800Mbps
- 2\*2 MU-MIMO
- Wall-Mounted

IAP300-815



- 802.11ax 1800Mbps
- 2\*2 MU-MIMO
- Ceiling-Mounted

IAP300-821



- 802.11ax 1800Mbps
- 2\*2 MU-MIMO
- Pole-Mounted

IAP300-826

FIT AP(Controller by IGW500 Series Internet Gateway)

# IAP300-815-PE(V2) Wi-Fi6 Wall-Mounted AP



IAP300-815-PE(V2)



Specification	IAP300-815-PE(V2)
Performance(Mbps)	1800Mbps
Mount Mode	Wall-Mounted
Wireless Standard	802.11a/b/g/n/ac/ax
Working Mode	Fit Mode
1000M Base-T WAN	1*1000M Combo (RJ45 PoE + SFP)
1000M Base-T LAN	1*1000M RJ45
MU-MIMO	2:2*2
Dual Band	2.4G&5G
PoE Standard	802.3af
RF Bandwidth	802.11ax: HT80, HT40, HT20 802.11ac: HT80, HT40, HT20 802.11n: HT40, HT20
Management	Internet Gateway, Cloud



# IAP300-815-PE(V3) Wi-Fi6 Wall-Mounted AP



**IAP300-815-PE(V3)**



Specification	IAP300-815-PE(V3)
Performance(Mbps)	1800Mbps
Mount Mode	Wall-Mounted
Wireless Standard	802.11a/b/g/n/ac/ax
Working Mode	Fit Mode
1000M Base-T WAN	1*1000M RJ45(PoE)
1000M Base-T LAN	4*1000M RJ45
MU-MIMO	2:2*2
Dual Band	2.4G&5G
PoE Standard	802.3af
RF Bandwidth	802.11ax: HT80, HT40, HT20 802.11ac: HT80, HT40, HT20 802.11n: HT40, HT20
Management	Internet Gateway, Cloud



# IAP300-821-PE(V2) Wi-Fi6 Ceiling-Mounted AP



**IAP300-821-PE(V2)**



Specification	IAP300-821-PE(V2)
Performance(Mbps)	1800Mbps
Mount Mode	Ceiling-Mounted
Wireless Standard	802.11a/b/g/n/ac/ax
Working Mode	Fit Mode
1000M Base-T WAN	1*1000M RJ45(PoE)
1000M Base-T LAN	1*1000M RJ45
MU-MIMO	2:2*2
Dual Band	2.4G&5G
PoE Standard	802.3af
RF Bandwidth	802.11ax: HT80, HT40, HT20 802.11ac: HT80, HT40, HT20 802.11n: HT40, HT20
Management	Internet Gateway, Cloud



# IAP300-826-PTE(V2) Wi-Fi6 Outdoor Pole-Mounted AP



**IAP300-826-PTE(V2)**



Specification	IAP300-826-PTE(V2)
Performance(Mbps)	1800Mbps
Mount Mode	Outdoor Pole-Mounted
Wireless Standard	802.11a/b/g/n/ac/ax
Working Mode	Fit Mode
1000M Base-T WAN	1*1000M SFP 1*1000M RJ45 Combo (PoE)
1000M Base-T LAN	1*1000M RJ45
MU-MIMO	2:2*2
Dual Band	2.4G&5G
PoE Standard	802.3at
RF Bandwidth	802.11ax: HT80, HT40, HT20 802.11ac: HT80, HT40, HT20 802.11n: HT40, HT20
Management	Internet Gateway, Cloud

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# MyPower Series Cloud Managed Switch

## L3 10G Fiber Aggregation

- 24/48\*10G SFP+ Interfaces
- 2\*40G QSFP Interfaces(IS580-26XF)
- Static/RIP/OSPF/BGP L3 Protocol
- Dual Power Supply

## L3 Gigabit Fiber Aggregation

- 24\*1G SFP Interfaces
- 4\*10G SFP+ Interfaces
- Static/RIP/OSPF/BGP L3 Protocol
- Dual Power Supply

## L3 Lite Gigabit Access

- 8/24/48\*1G RJ45 Interfaces
- 4\*10G SFP+ Interfaces
- Static L3 Protocol
- 120W/380W/760W PoE Budget
- Single Power Supply

## L2 Lite Gigabit Access

- 8/24\*1G RJ45 Interfaces
- 2/4\*1G SFP Interfaces
- 120W/380W PoE Budget
- Single Power Supply



IS580-26XF

### IS580-26XF

- 24\*10G SFP+
- 2\*40G QSFP
- Dual Power Slots
- Dual FAN Slots



IS580-48XF

### IS580-48XF

- 48\*10G SFP+
- Dual Power Slots
- Dual FAN Slots



### IS660-04

- Dual Control Engines
- Four Line Card Slots
- Dual Power Slots
- Dual FAN Slots



S4230-36GTXF

### S4230-36GTXF

- 24\*1G SFP
- 4\*10G SFP+
- 8\*1000M RJ45
- Dual Power Supply



S4330-54GXF

### S4330-54GXF

- 48\*1G SFP
- 4\*10G SFP+
- Dual Power Supply



S3330-12TXF

### S3330-12TXF

- 8\*1G RJ45
- 4\*10G SFP+
- Single Power Supply



S3230-28TXF

### S3230-28TXF

- 24\*1G RJ45
- 4\*10G SFP+
- Single Power Supply



S3230-54TXF

### S3230-54TXF

- 48\*1G RJ45
- 4\*10G SFP+
- Dual Power Supply



S3330-12TXP

### S3330-12TXP

- 8\*1G SFP
- 4\*10G SFP+
- 120W PoE Budget
- Single Power Supply



S3230-28TXP

### S3230-28TXP

- 24\*1G SFP
- 4\*10G SFP+
- 380W PoE Budget
- Single Power Supply



S3230-54TXP

### S3230-54TXP

- 48\*1G SFP
- 4\*10G SFP+
- 760W PoE Budget
- Single Power Supply



IS230-10TF/10TP

### IS230-10TF/10TP

- 8\*1G RJ45
- 2\*1G SFP
- 120W PoE Budget
- Single Power Supply



IS230-18TF/28TF

### IS230-18TF/28TF

- 16/24\*1G RJ45
- 2/4\*1G SFP
- Single Power Supply



IS230-20TP/28TP

### IS230-20TP/28TP

- 16/24\*1G RJ45
- 4\*1G SFP
- 260W/380W PoE Budget
- Single Power Supply





# MyPower Series Cloud Managed Router

## MP3900X Series

- Aggregation Router for Branch
- Static/RIP/OSPF/BGP Routing
- MPLS/IPSec/GRE/L2TP VPN
- SDH/Ethernet/4G/5G Line Cards

## MP2900X Series













- Access Router for enterprise Large Office
- Static/RIP/OSPF/BGP Routing
- MPLS/IPSec/GRE/L2TP VPN
- SDH/Ethernet/4G/5G Line Cards

## MP1900X Series

- Access Router for enterprise Medium Office
- Static/RIP/OSPF/BGP Routing
- MPLS/IPSec/GRE/L2TP VPN
- SDH/Ethernet/4G/5G Line Cards

## MP1800X series

- Access Router for enterprise Small Office
- Static/RIP/OSPF/BGP Routing
- MPLS/IPSec/GRE/L2TP VPN
- Built-in 4G Modem

	<p><b>MP3900X-08</b></p> <ul style="list-style-type: none"> <li>- One SPU Slot, Upto 4*10G SFP+</li> <li>- 6*RM2B expansion slots</li> <li>- 2*RM3E expansion slots</li> <li>- Two Power Slots</li> </ul>		<p><b>MP3900X-06</b></p> <ul style="list-style-type: none"> <li>- 8-Port 1G Combo WAN</li> <li>- 6*RM2B expansion slots</li> <li>- Fixed Dual AC</li> </ul>
	<p><b>MP2900X-24D</b></p> <ul style="list-style-type: none"> <li>- 4-Port 1G WAN</li> <li>- 48-Port 1G Base-T LAN</li> <li>- 4*RM2B expansion slots</li> </ul>		<p><b>MP2900X-14D</b></p> <ul style="list-style-type: none"> <li>- 4-Port 1G WAN</li> <li>- 24-Port 1G Base-T LAN</li> <li>- 4*RM2B expansion slots</li> </ul>
	<p><b>MP2900X-04D</b></p> <ul style="list-style-type: none"> <li>- 4-Port 1G WAN</li> <li>- 4*RM2B expansion slots</li> </ul>	 <p><b>MAIPU</b> MAKE IT INTELLIGENT <b>MMC</b> MAIPU MANAGED CLOUD</p>	
	<p><b>MP1900X-22</b></p> <ul style="list-style-type: none"> <li>- 5-Port 1G WAN</li> <li>- 8-Port 1G Base-T LAN</li> <li>- 2*RM2B expansion slots</li> </ul>		
	<p><b>MP1800X-50</b></p> <ul style="list-style-type: none"> <li>- 5-Port 1G Base-T</li> </ul>		<p><b>MP1800X-51</b></p> <ul style="list-style-type: none"> <li>- 5-Port 1G Base-T</li> <li>- 1-Port 1G Combo</li> </ul>
	<p><b>MP1800X-40E</b></p> <ul style="list-style-type: none"> <li>- 5-Port 1G Base-T</li> <li>- Dual 4G Modem</li> <li>- Dual SIM Slots</li> </ul>		<p><b>MP1800X-40W</b></p> <ul style="list-style-type: none"> <li>- 5-Port 1G Base-T</li> <li>- Single 4G Modem</li> <li>- Dual SIM Slots</li> <li>- 2.4G Wi-Fi</li> </ul>
			<p><b>MP1800X-40</b></p> <ul style="list-style-type: none"> <li>- 5-Port 1G Base-T</li> <li>- Single 4G Modem</li> <li>- Dual SIM Slots</li> </ul>

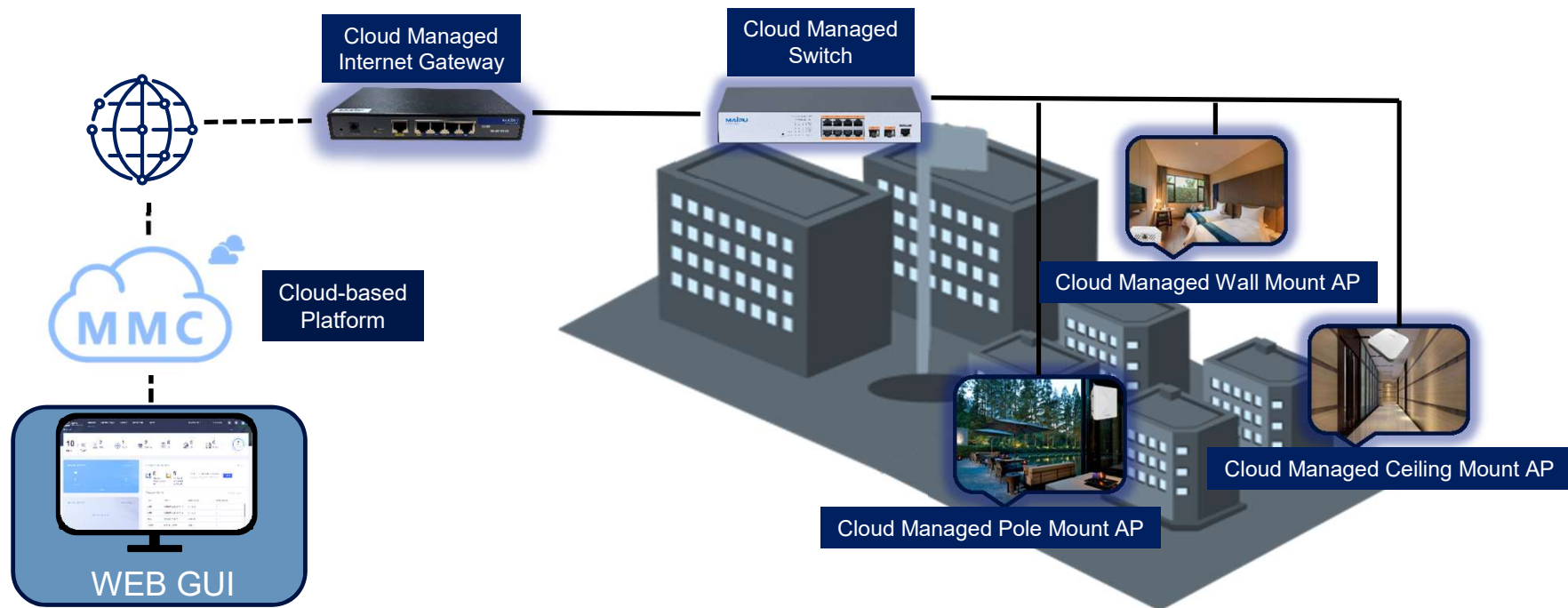
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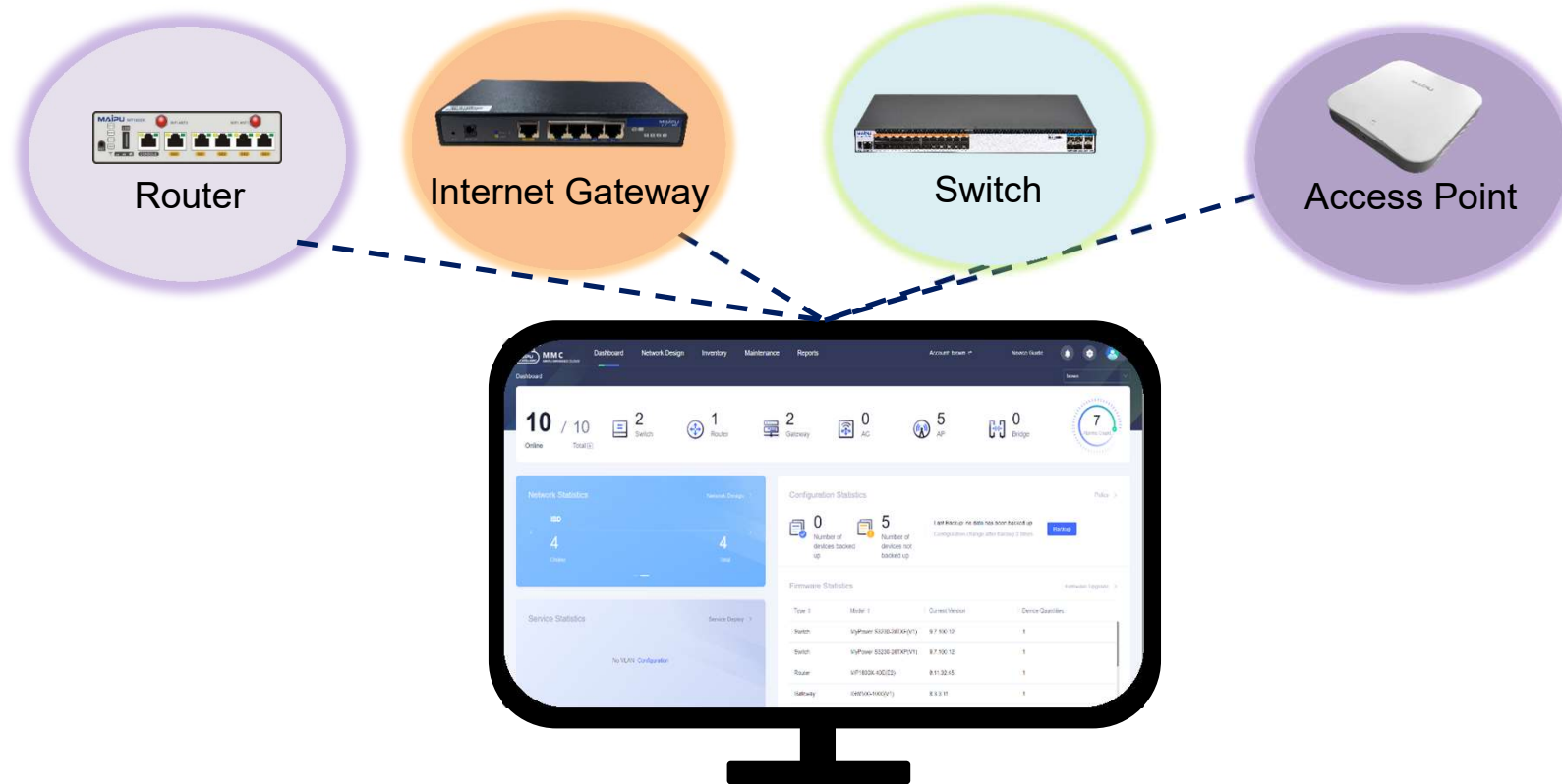
# Maipu Managed Cloud(MMC) Overview

Maipu provides cloud-based management and operations platform called Maipu Managed Cloud (MMC). The platform can significantly reduce the operation & maintenance cost for partners and customers. It supports unified management and configuration of internet gateways, APs, routers and switches. Web GUI interface is very friendly and easy-understanding to customers and users.



# Highlights - Centralized Cloud Management

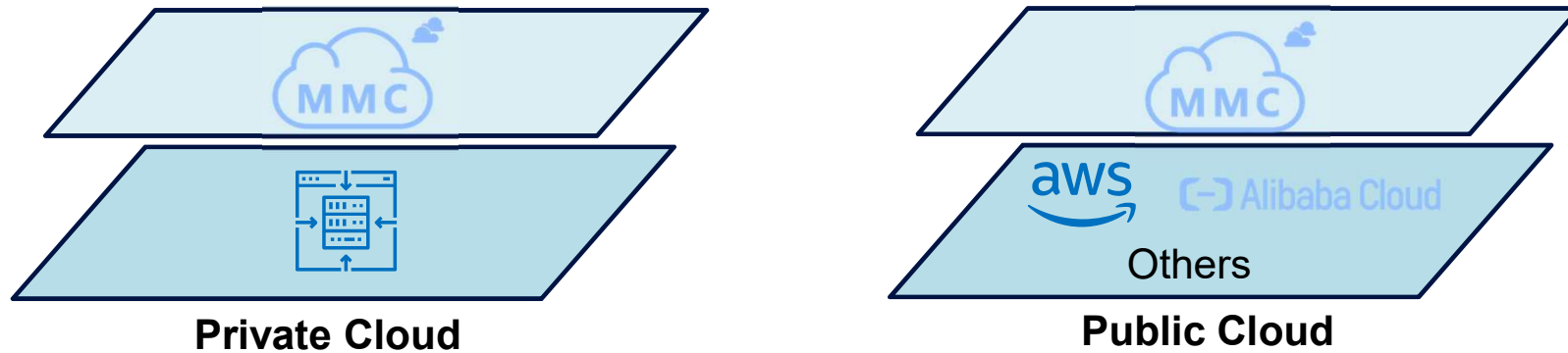
Getting a predictable operational expenditure (OPEX), rather than capital expenditures (CAPEX). All Internet gateways, APs, routers and switches can be managed by Maipu cloud management platform (MMC) through Internet in a unified manner.





## Highlights - Flexible Cloud Deployment

Compared with other managed cloud solution suppliers, Maipu MMC can be deployed on public cloud or private cloud, which gives more choices for partners to centrally manage all the wireless related devices through internet.



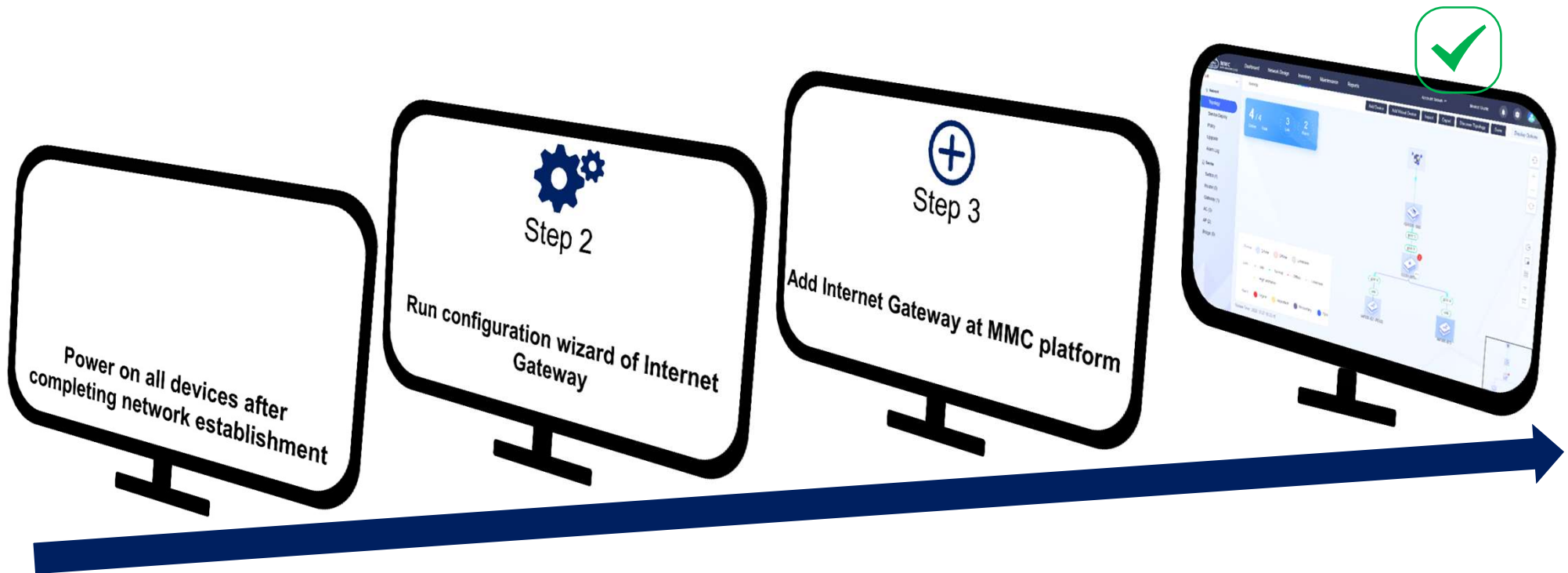
Node Scales	Node Recommended Server Specification				
Number of APs	CPU Core	Memory	Storage	Bandwidth (Min.)	Server Quantity
2.5K	8 Core/2.4GHZ	32G	1T	≥50Mbps	1+1(HA)
2.5K-5K	12 Core/2.4GHZ	32G	1T-2T	≥50Mbps	1+1(HA)
5K-10K	12 Core/2.4GHZ	32G	2T-4T	≥100Mbps	3 (Cluster)
10K-20K	16 Core/2.4GHZ	48G	2T-4T	≥200Mbps	3 (Cluster)





## Highlights - Quickly Cloud Service Provisioning

The platform can significantly reduce the operation & maintenance costs for partners and customers. Wireless service and cloud service provisioning can be done within 3 minutes.





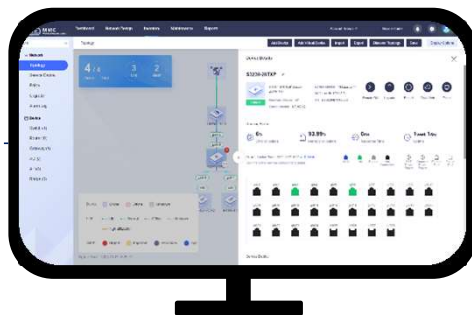
## Highlights - Intelligent Remote Maintenance via Cloud

MMC consists of various management and maintenance features, such as network management, configuration management, topology management, device management, alarm management, SSID management, STA management, terminal & traffic statistics, cloud web, and cloud telnet.

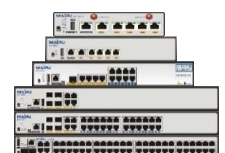
Network Management	Configuration Management	Remote Upgrade	Alarm & Log Management
Topology Management	Cloud Web	SSID Management	Terminal & Traffic Statistics
Cloud Telnet	Remote Restart	Built-in Shortcut Command	STA Management
Service Deployment	Port Panel	Status Monitoring	Device Running Status



Cloud Access



Register to MMC





# Remote Maintenance

Topology Management interface showing a network diagram with nodes and links. A device details window is open for IGW500-1000-P, displaying metrics like CPU Utilization (4%), Memory Utilization (23.57%), and Uptime (25h 57m 8s).

Device Management interface showing a detailed view of a device. It includes a 'Running Status' section with CPU, Memory, and Uptime metrics. Below is a table of services:

Service Name	SSID	Radio	Type	User VLAN	Associated Users	Associated AP Group	Operation
Test	Test	5G	WIFI	1	0	DEFAULT	Modify   Delete

Upgrade Management interface showing a table of devices for upgrade:

Status	SN	Type	Name	Egress Address	Model	Current Version	Reqd
<input type="checkbox"/>	D748224182400007	Switch	S4230-30TXF	183.222.58.14	MyPower S4230-30T...	9.7.40.4	
<input type="checkbox"/>	D736224182400012	Switch	S3230-28TXF	183.222.58.14	MyPower S3230-28T...	9.7.40.8	
<input type="checkbox"/>	E64221A480501393	AP	IAP300-815-PE(V2)	183.222.58.14	IAP300-815-PE(V2)	300.3.1.4	
<input type="checkbox"/>	E64121A472901307	AP	IAP300-821-PE(V2)	183.222.58.14	IAP300-821-PE(V2)	300.3.1.4	
<input type="checkbox"/>	E64121A680119342	AP	IAP300-821-PE(V2)	183.222.58.14	IAP300-821-PE(V2)	300.3.1.4	
<input type="checkbox"/>	E64121A680119531	AP	IAP300-821-PE(V2)	183.222.58.14	IAP300-821-PE(V2)	300.3.1.4	
<input type="checkbox"/>	E993224471300002	Gateway	IGW500-1000_LAB	183.222.58.14	IGW500-1000(V1)	8.3.2.6	
<input type="checkbox"/>	F111224471200133	Gateway	IGW500-200-P	183.222.58.14	IGW500-200-P(V1)	8.3.2.6	

Topology Management

Device Management

Upgrade Management

Shortcut Command Management interface. A command set is selected for device IGW500-200-P. The command 'show version' is entered and executed, showing the following output:

```
MyPower (R) Operating System Software
IGW500-200-P system image file (flash0:/flash/wp11-ghw-8.3.2.6(R).pck), version 8.3.2.6, Compiled on Aug 15 2022, 11:30:06
Copyright (C) 2022 Maipu Communication Technology Co.,Ltd.All Rights Reserved.

IGW500-200-P Version Information
System ID      : ccd81f88d0a2
Hardware Model : IGW500-200-
P(V1) with 512 MBytes SDRAM, 256 MBytes flash
Hardware Version : 1(Hotswap Unsupported)
Bootloader Version : 1.0.0.17
Software Version : 8.3.2.6
Software Image File : flash0:/flash/wp11-ghw-8.3.2.6(R).pck
Compiled       : Aug 15 2022, 11:30:06
Package File   : wp11-ghw-8.3.2.6(R)-200-001.pkg

Local MPU Uptime is 5 hours 57 minutes 8 seconds
System Uptime is 5 hours 57 minutes 8 seconds
```

Shortcut Command Management

Alarm Management interface showing a list of system alarms:

SN	Egress Address	Name	Level	Type	Description	Group	Occurrence Time	Confirmed Time	Operation
<input type="checkbox"/>	E64121A6801	183.222.58.14	IAP300-821-P...	important	DEVICE_OFFLINE	Device offline	Office/BD WL...	2022-08-17 23:43:00	Confirm
<input type="checkbox"/>	E9932244713	183.222.58.14	IGW500-1000...	important	PORT_DOWN	Line protocol on et...	LAB/LAB	2022-08-11 19:08:36	Confirm
<input type="checkbox"/>	E9932244713	183.222.58.14	IGW500-1000...	important	DEVICE_OFFLINE	Device offline	LAB/LAB	2022-08-11 19:00:00	Confirm

Alarm Management







# Remote Maintenance

Panel Update Time: 2022-10-27 10:44:34 Refresh  
Click the post to view the connectivity status

Service Name:

SSID:

Encoding Format: UTF-8

Radio: 2.4G+5G

User VLAN: 1

Authentication Type: WPA2-Personal

Associated AP Group: DEFAULT

Max. Users Per SSID: 128

High WiFi:

Buttons: Cancel, OK

Table Headers: Service Name, SSID, Radio, Type, User VLAN, Associated Users, Associated AP Group, Operation

Table Row: IBD, IBD, 2.4, WP, 1, 22, DEFAULT, Modify | Delete

Summary: Total 1 Items, Selected 0 Items

Page: 20Items/Page, Jump To: 1 Page

SSID Management

Toplogy

4 / 4 Online 3 5 Alarm

Device Details

Radio List

Channel	Bandwidth	Power	Mode	Channel	Bandwidth	Power	Mode
13	20MHz	100%	dot11bgn	157	80MHz	100%	dot11ax

Wireless Info

SSID: IBD

Associated Users: 8

Total 1 Items

20Items/Page, Jump To: 1 Page

Online Users

MAC	IP	SSID	Status	Mode	Radio/Mbps	Online Duration
1938:c37b:191a	192.168.100.85	IBD	Authorized	1gh	6	7minutes
23a7:aec3:0059	192.168.100.87	IBD	Authorized	1c	500	2hours 29min
341c:9f5:8203	192.168.100.76	IBD	Authorized	1x	600	45minutes

Update Time: 2022-10-27 10:43:25

STA Management

Toplogy

2 / 2 Online 0 0 Alarm

Device Details

MP1800X

Model: MP1800X-4E2E2, Serial Number: 2231449231

MAC: 8817:fa:80:0311, Firmware Version: 802

SN: 52122821878991, Config Version: 6.1.0.2-4

Buttons: Refresh, Clear Risk, Test

Running Status

CPU Utilization: 2%, Memory Utilization: 58.83%, Response Time: 36ms, Uptime: 4hour 4minute...

Panel Update Time: 2022-10-27 10:47:35 Refresh

Click the post to view the connectivity status

42955 Info

Interface	Model	IP Address	Signal Intensity	Signal SNR
ethernet0	80286a8a7	192.168.20.5	-62	-45
Control	QINQA-MOBILE	192.168.0.100/1000000000	-	-
Control	QINQA-MOBILE	192.168.0.100/1000000000	-	-
Control	QINQA-MOBILE	192.168.0.100/1000000000	-	-
Control	QINQA-MOBILE	192.168.0.100/1000000000	-	-

Update Time: 2022-10-27 10:47:35

Device Running Status

Terminal Statistics

Time Range: Last 1 day

Top 5 Terminal Type

- Unknown: 20 (74.07%)
- XIAOMI: 4 (14.81%)
- APPLE: 2 (7.41%)
- HUAWEI: 1 (3.71%)

Terminal Statistics

Vendor: All

IP Address	MAC	Vendor	Access Device
192.16.82.29:69:8c		Unknown	1AP900-821-PE(V2)(cods:1f8e:298c)
192.16.83.18:c1:63		Unknown	826_Outdoor(cod:1f8f:d228)
192.16.54.63:2b:58		Unknown	1AP900-821-PE(V2)(cods:1f8e:298c)
192.16.22.11:f1:a1		APPLE	826_Outdoor(cod:1f8f:d228)

Terminal Statistics

Traffic Statistics

Top 5 Device Traffic

Line Chart showing traffic volume for different devices.

Export Traffic Trend Chart

192.168.200-P-g001-Export Traffic Trend

192.168.200-P-g002-Export Traffic Trend

Traffic Statistics



# AGENDA

C O N T E N T S

CHAPTER 1	2023 CLOUD INTERNET GATEWAY PRODUCT LINE
CHAPTER 2	2023 CLOUD ACCESS POINT PRODUCT LINE
CHAPTER 3	2023 CLOUD SWITCH PRODUCT LINE
CHAPTER 3	2023 MMC CLOUD MANAGEMENT PLATFORM
CHAPTER 4	2023 CLOUD MANAGED WI-FI TYPICAL SCENARIOS



# Typical Applications



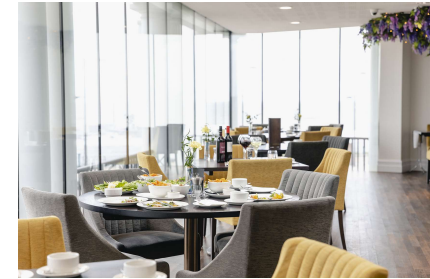
Small Office



Villa



Chain Store



Restaurant



Resort



Boutique Hotel

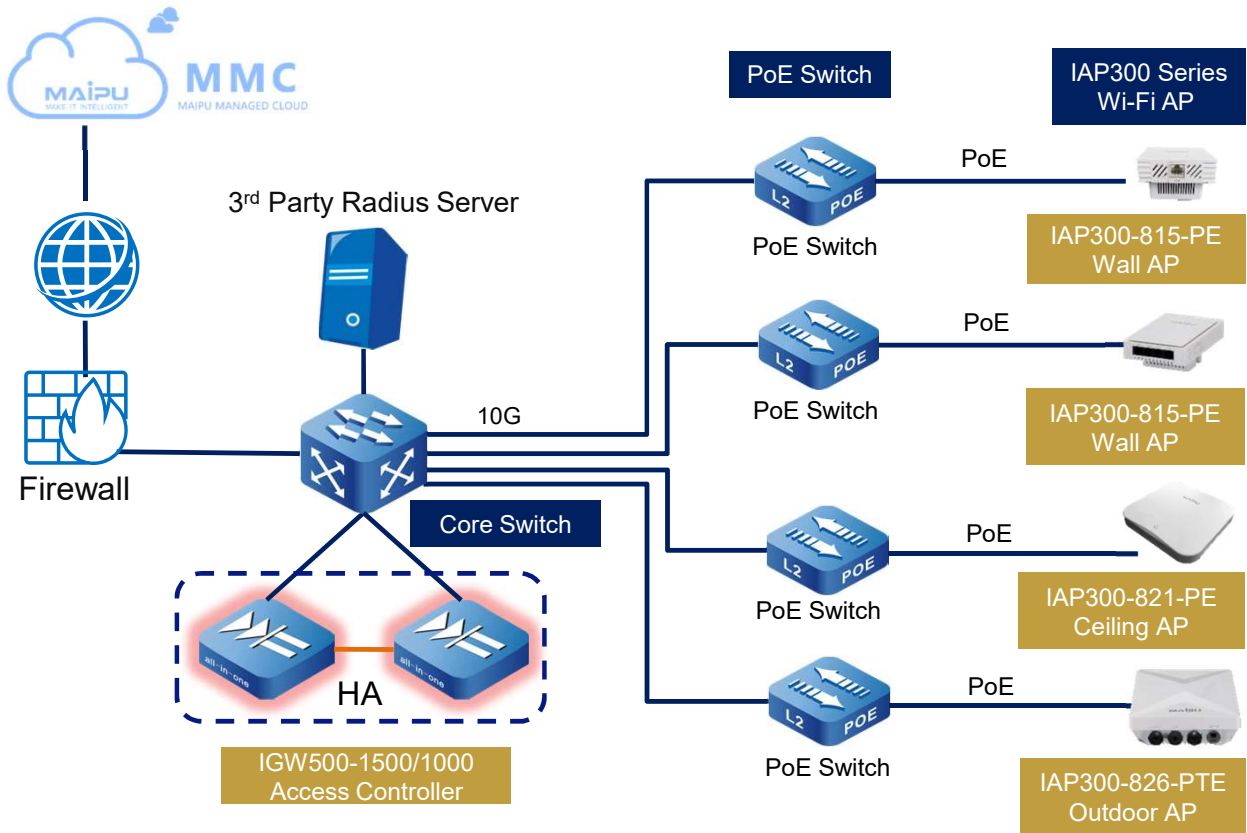


K12 School



Supermarket

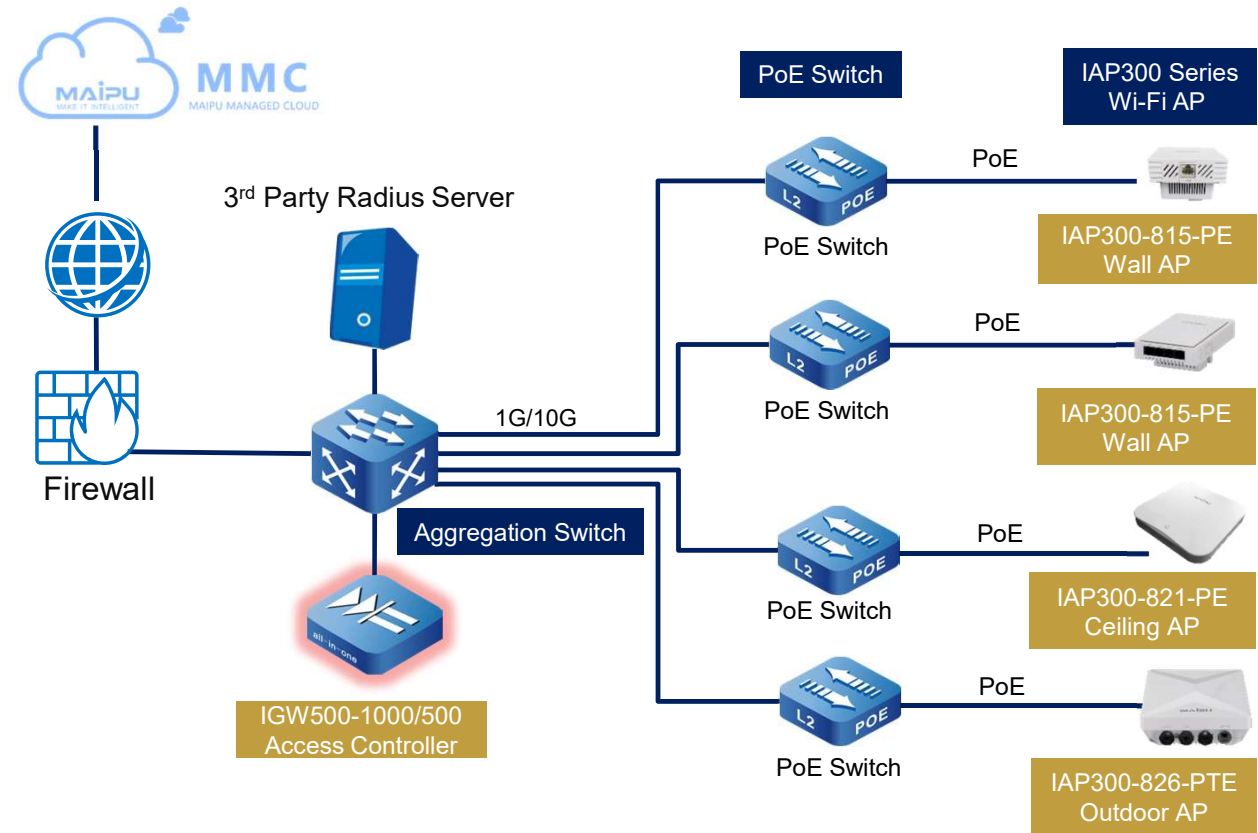
# Larger Sized Network Scenario: 128-256 Units AP



- Highlights:**
- IGW500-1500/1000 deployed for larger sized network
  - IGW500-1500/1000 deployed as controller mode
  - IGW500-1500/1000 1+1 backup for high availability
  - IGW500-1500/1000 working with existing radius server
  - PoE switch for AP connection



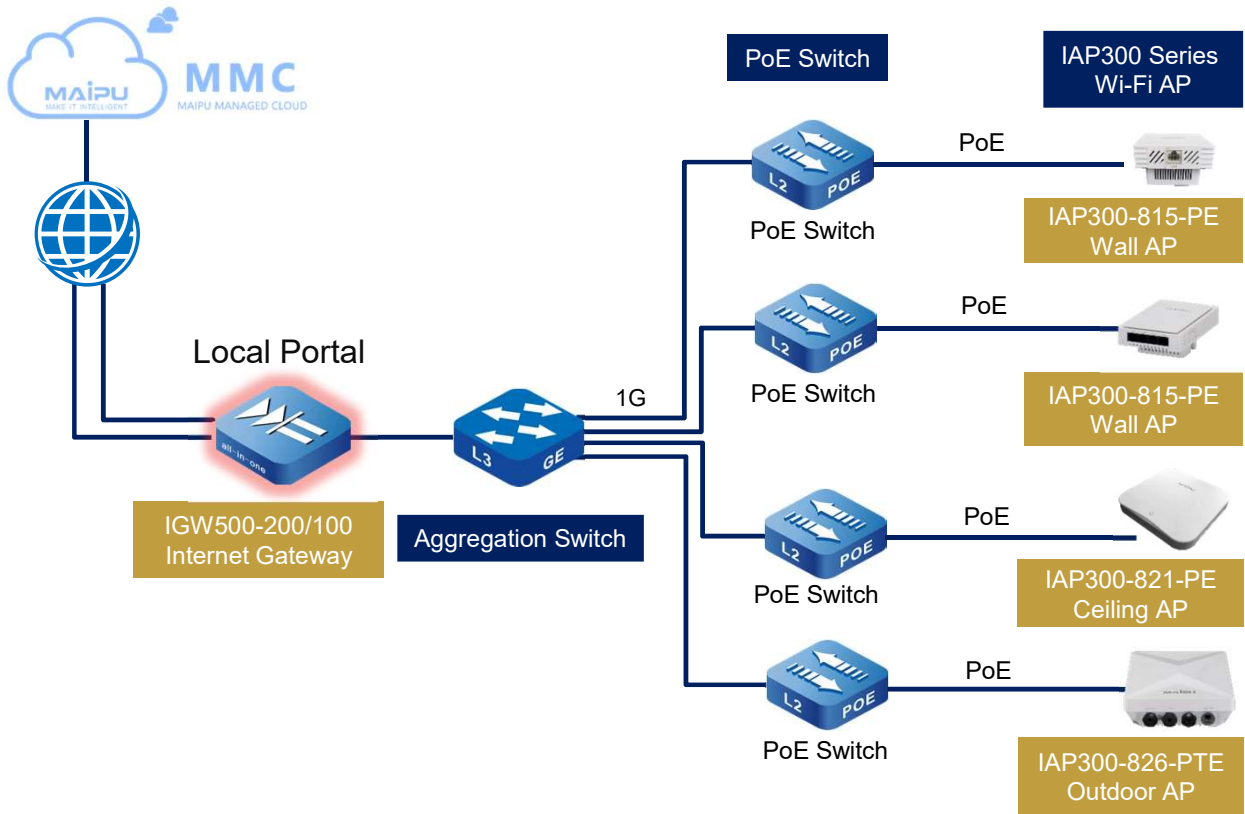
# Medium Sized Network Scenario: 64-128 Units AP



- Highlights:**
- IGW500-500/1000 for medium sized network
  - IGW500-500/1000 deployed as controller mode
  - IGW500-500/1000 working with existing radius server
  - PoE switch for AP connection



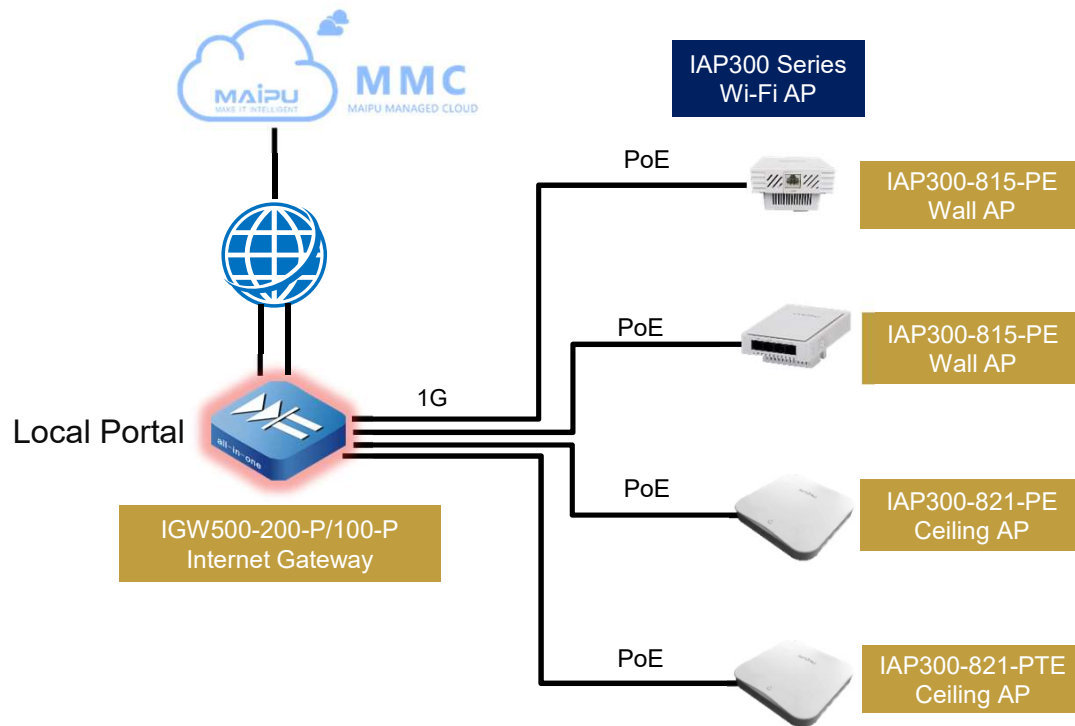
# Small Sized Network Scenario: 16-32 Units AP



- Highlights:**
- IGW500-200/100 for small sized network
  - IGW500-200/100 deployed as gateway mode
  - IGW500-200/100 integrated with local portal authentication
  - PoE switch for AP connection



# Micro Sized Network Scenario: 4-8 Units AP



## Highlights:

- IGW500-200-P/100-P for micro network
- IGW500-200-P/100-P integrated with 8/4 PoE ports
- IGW500-200-P/100-P deployed as gateway mode
- IGW500-200-P/100-P integrated with local portal authentication



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# THANKS

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