ALLNET GmbH Computersysteme

We are proud to present to you

APOLLO series

On Prem Controller
Max 100 Devices

WiFi6 AX AP´s
Indoor and
Outdoor IP67

Switches

More in 2024

Why do we need Network Controller?

- Allow configuration and montoring of the network from **one centralized point**
- **Managed Network devices and network Services,** and gather all the information you need
- Allow **management applications** to tell the Network Controller what network settings and services they need
- **Multi-Control** on many activities of the control plane
- Provide one application programming interface (API) that allows Network Controller to communication and managed network AP, Switches and other devices

What are the reasons to change to WI-FI 6 ?

Innovative Features of Wi-Fi 6

Increased capacity

Serves more devices simultaneously

8x8 MU-MIMO
Increases capacity by up to 4x

OFDMA
Allows more clients to transmit simultaneously

BSS coloring
Allows access points to be placed closer together

Higher efficiency

Handles simultaneous connections without slowdown

OFDMA
Reduces payload and latency

BSS coloring
Reuse of the channel and improvement of interference

Target wake-up time
Conserves the battery life of devices

Improved performance

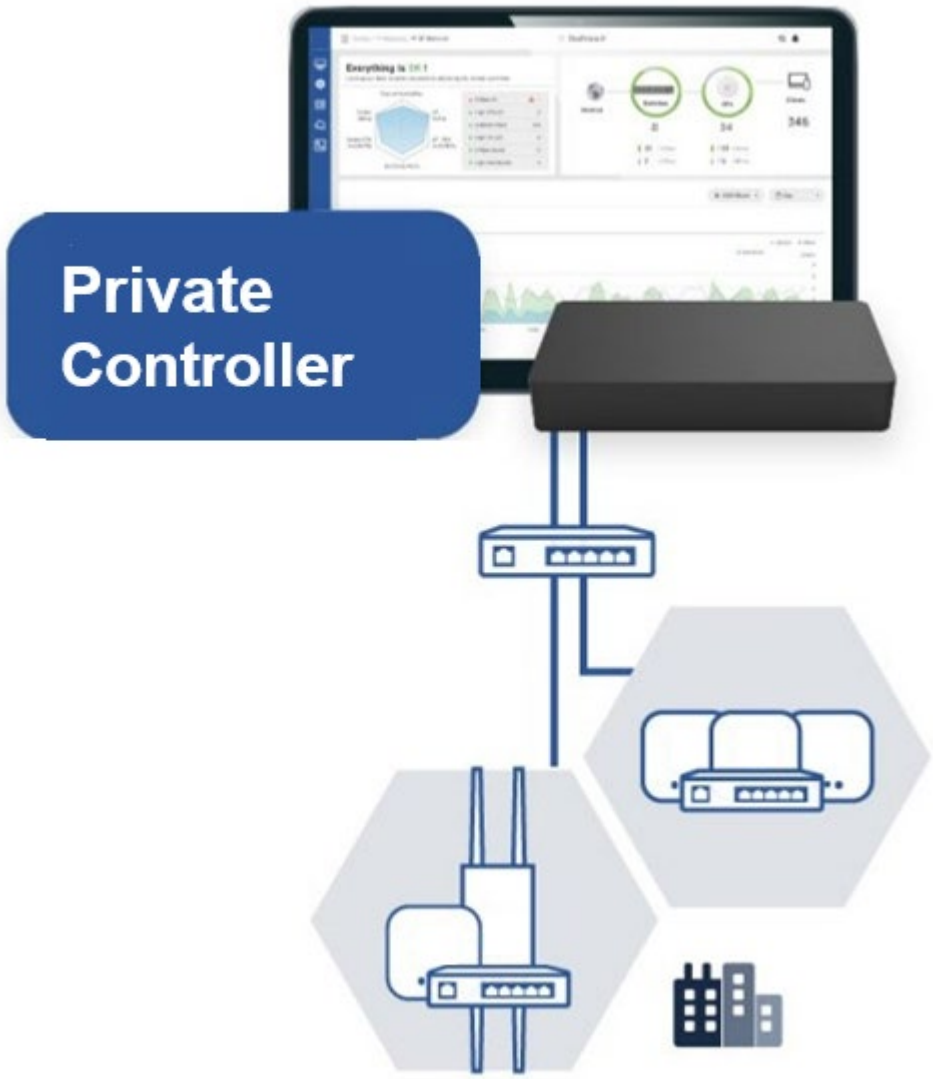
Increases throughput with a new modulation scheme

8x8 MU-MIMO
Receives data from multiple antennas and doubles the bandwidth

1024 UAM
Increases data rates by 25%

Target wake-up time
Reduces latency due to conflicts between clients

On-Premises Managed Networking Solution ?



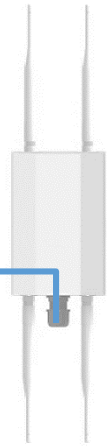
APOLLO series

- Managed Access Point, Switch&PDU(coming)
- Single Interface to Control All Devices
- Organize your Network by Location or Floors
- Devices are Plug & Deploy, No Hassle Set Up
- Different Access Privileges for Different People
- Dashboard to See Network Status at a Glance
- Notifications / Alerts When Issues Happen
- Diagnostic Tools to Identify and Resolve Issues
- Device Configuration as Group or Individually
- Set SSID, Security, VLAN and RF Settings
- Wi-Fi Client List, Traffic and Application Statistics
- Easily setup Captive Portals and Guest Networks
- PoE Power Budget and Scheduling
- Scheduled Auto-Firmware Update of Devices
- Topology Map of Installed Devices

Topology

ALL-AC100 Controller

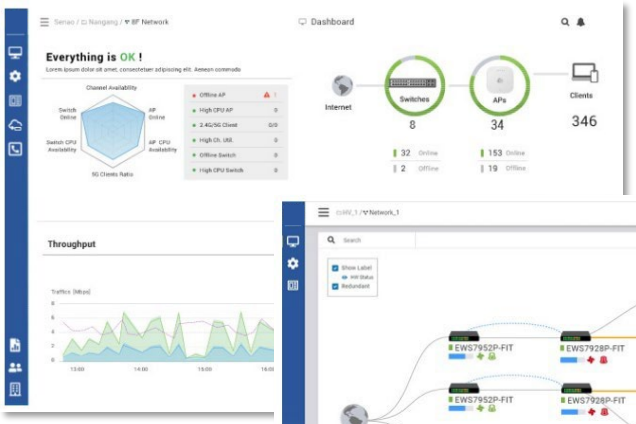
ALL-WAPC0522AX-3000 2x2
Indoor

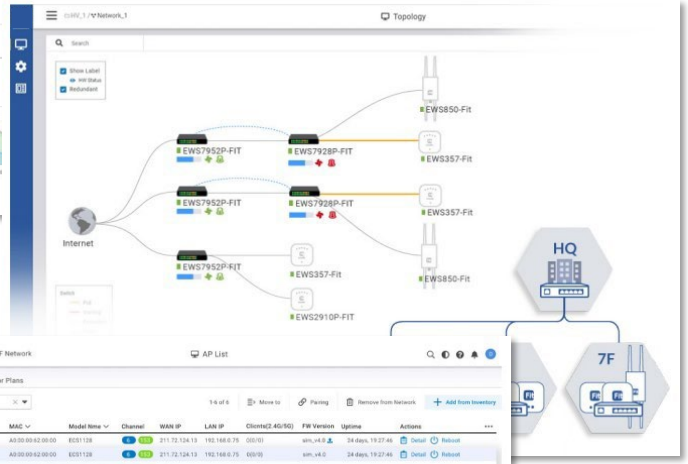


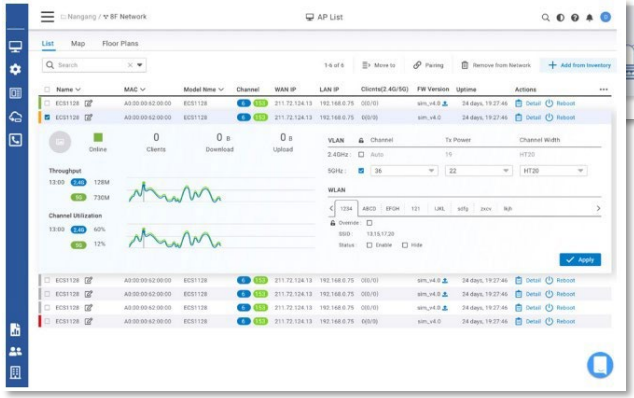
ALL-WAPC0523AXO-3000 2x2
IP67 Outdoor

ALL-WAPC0544AX-5400 4x4
Indoor

ALL-WAPC0544AX-5400 4x4
Indoor



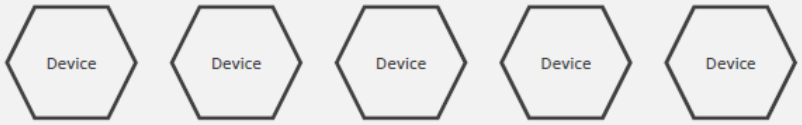




Comparison-Setup & Configuration

Traditional Network

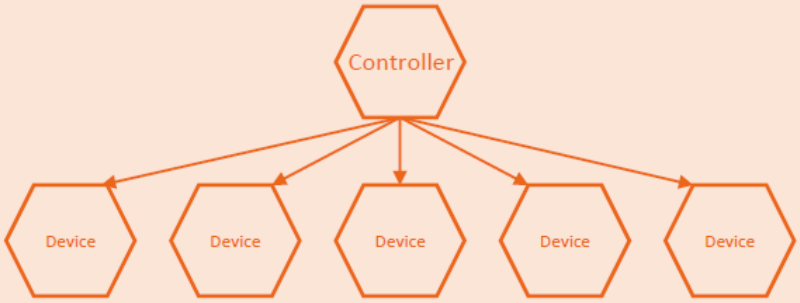
- Take efforts to remember setup and configuration of each device.
- Setup the network device 1 by 1.
- Need a lot of IT staffs to configure the network devices.
- Time consuming for setup and configuration.



VS

Network Controller

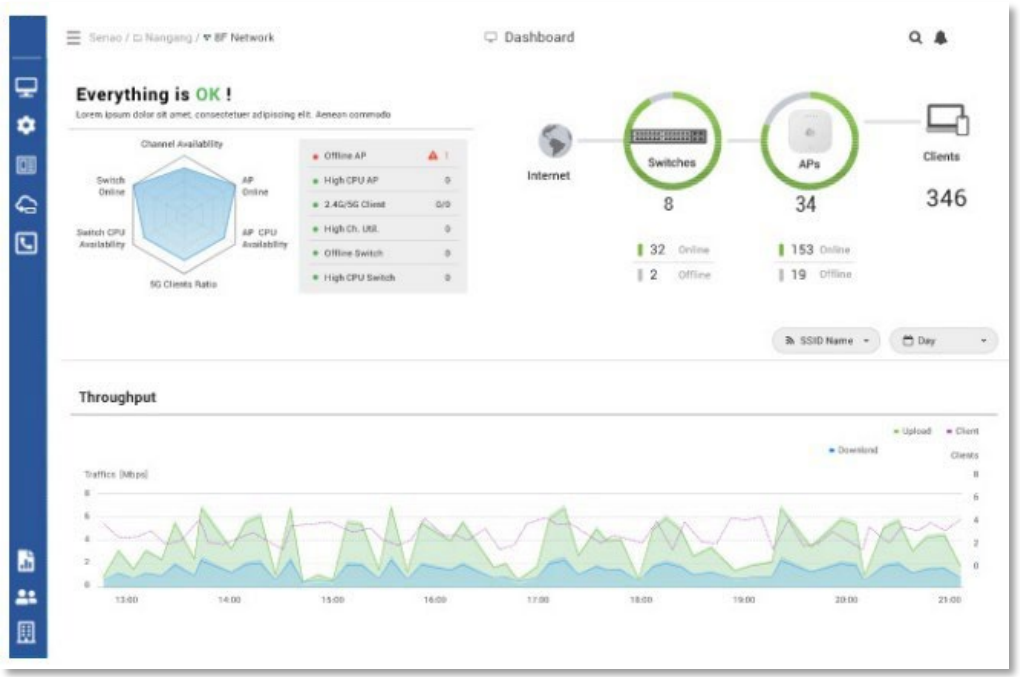
- All steps of the setup and configuration are in the Controller.
- Group setup for provisioning device.
- Need only 1 staff to configure all network devices.
- Time saving with easy setup and configuration.

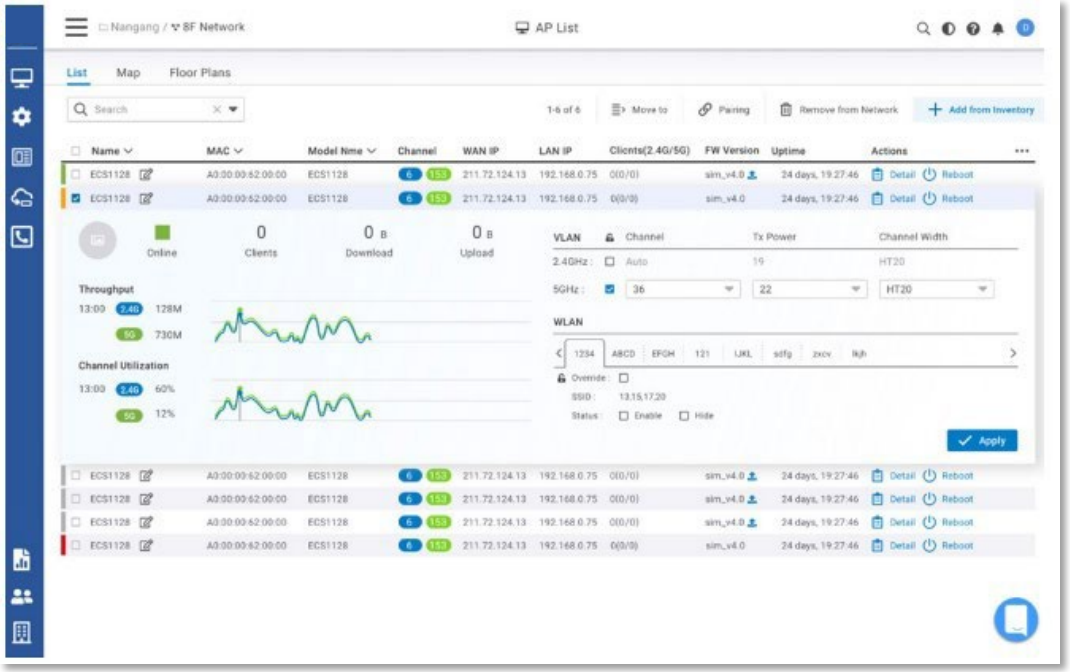


On-Premises Managed Networking Controller

- Manage From a Single Pane of Glass
- Gain Visibility Into Devices Across the Network
- Enjoy Time-Saving Management Features
- Safeguard Your Staff and Resources
- Super-Fast Device Registration & Streamline Deployment

On-Premises Managed Networking Controller

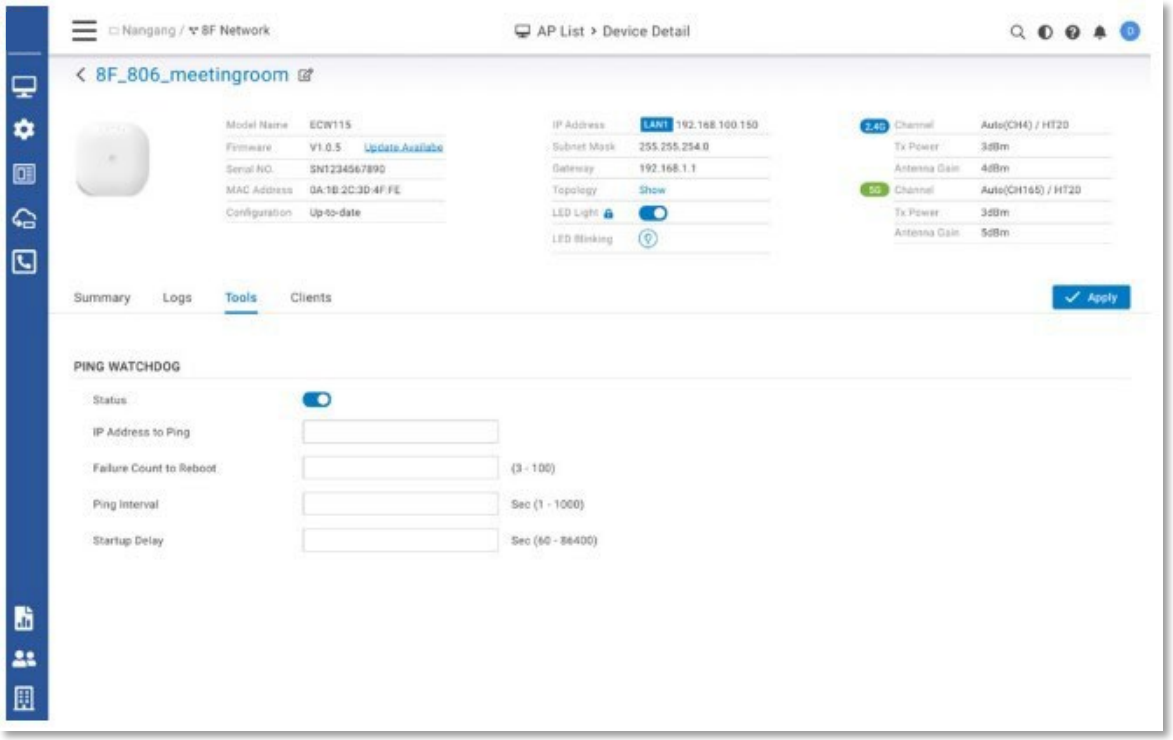




Real-Time Dashboard
Get insights at a glance into your network's health through a comprehensive dashboard.

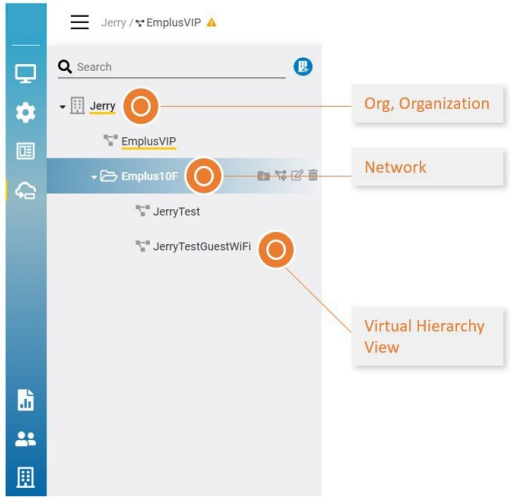
Device List with Details
Check the device list and drill down to discover potential problem areas with switches, access points, or client devices.

On-Premises Managed Networking Controller



Diagnosis and Troubleshooting
Run the diagnostic tests with intuitive interface to find potential issues and adjust device settings to improve user experience and network performance.

On-Premises Managed Networking Controller

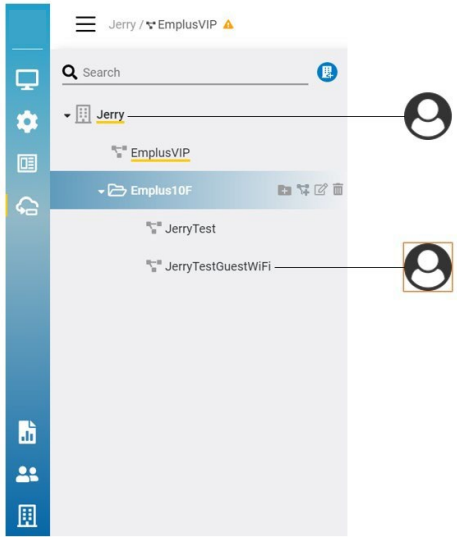


Virtual Organization/Networks

An "**Org**" represents the physical location or , such as a company or school district where the devices reside. Only one Org per controller

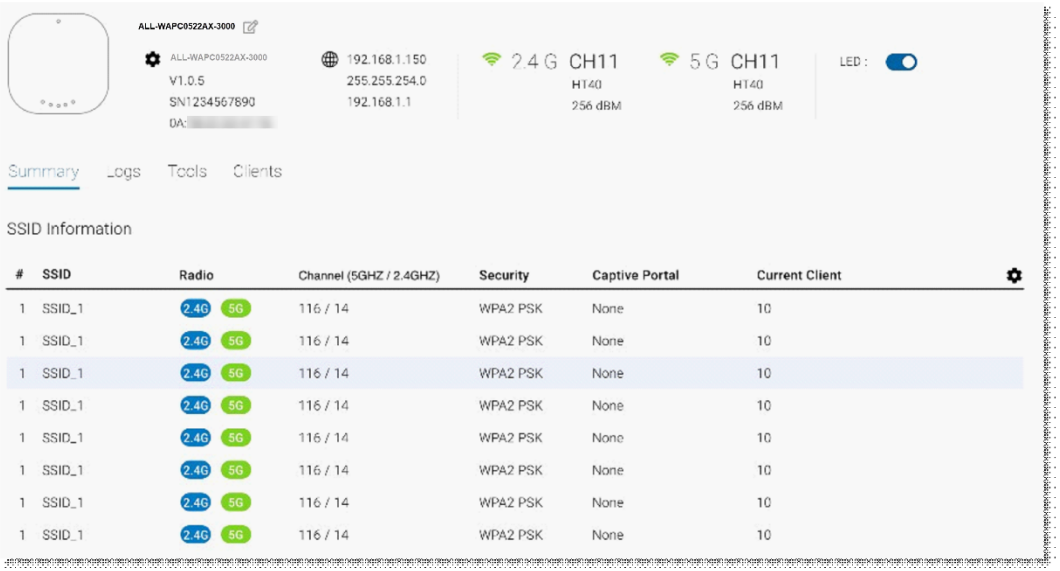
A "**Network**" contains a list of devices and relevant information, such as configuration, SSID, radio settings, and firmware upgrade history. Each network contains a single configuration set for its devices. Separate Network should be created with multiple configurations.

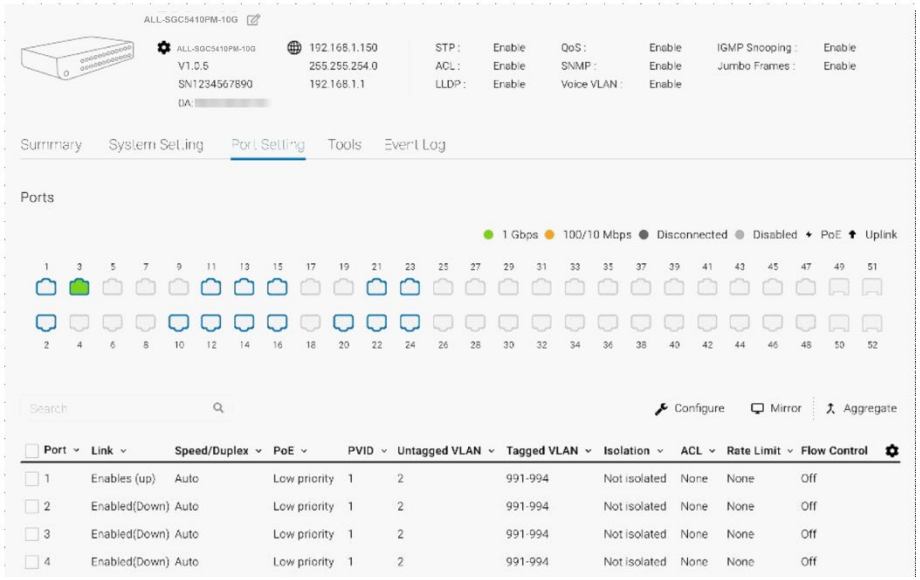
A **virtual hierarchy entity** to present the topology of the devices deployed



Organization Permission Types
Admin: user has full administrative access to all network settings. This is the highest level of access to the controller
Viewer: user is able to access most aspects of network settings, but unable to make any changes.
Network Permission Types
Admin: user has full administrative access to a specific network settings and create Managers for the Network. This is the highest level of access to a Network
Front Desk: user has access to view all aspects of a specific network and makes any changes to it.
Viewer: user able to access most aspects of a network, including the configuration section, but no changes can be made.

On-Premises Managed Networking Controller





Access Points

- AP grouping
  Radio/SSID settings
- Scheduled firmware upgrade
- Auto provisioning, update network policy
- Connected clients

Switch Q4/2023

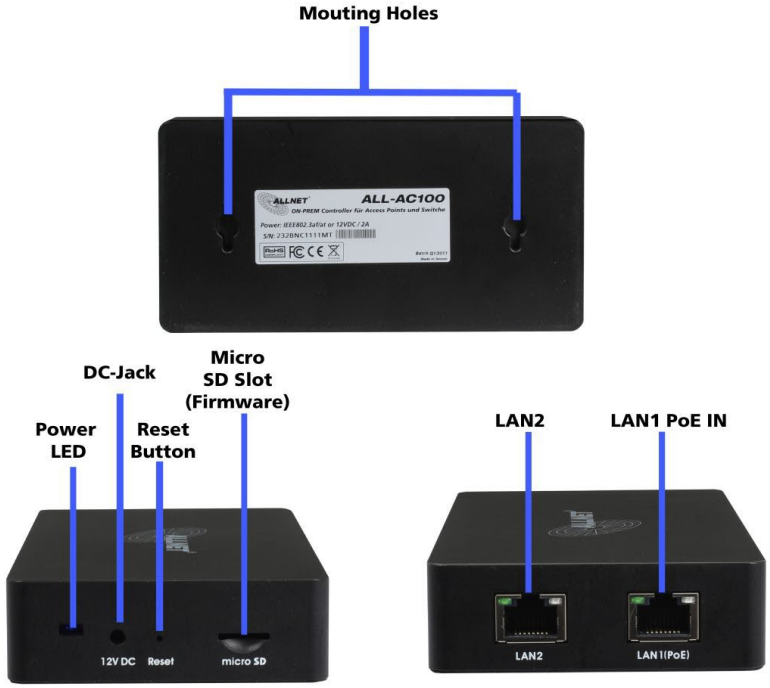
- Port settings
  Real-time status for all ports
- PoE consumptions per port
- Scheduled firmware upgrade
- Central config

Basic Features

Features
Reserving Duration of Managerial Data
Maximum 7 days for 100pcs of Access Points and switches
Dashboard
Managed Access Point / Switch
System Resource Usage - CPU: Usage(%) of CPU for NetController - Memory: Usage(%) of memory for NetController - Disk: Usage(%) of disk for NetController
System Overview
Recent Projects
Account Management (Multi-Tenant)
- Masters
- Users
- Guests
E-mail Alert
Backup/Restore
- Option 1: Backup configure files to NetController
- Option 2: Backup configure files to Micro SD card
Reboot/Reset NetController
Auto Transmit Power
Auto Channel
Diagnostic
Software Update
Bulk Update

Project
Device Management
Summary
Device Configuration
- SSID Setting - NAS ID
- VLAN Per SSID - NAS Port
- Fast Roaming (802.11k) - L2 Isolation
- Band Steering - Whited List/Blocked List Per SSID
- NAS IP - Traffic Shaping
AP Group
Schedule
- Schedule Settings
- Reboot
- Scheduler for SSID
Monitoring
Rogue AP
Detection Active
Clients
Visualization
Topology View
Statistics
Access Point
Wireless Client Information
Real Time Throughput
Hotspot Service
Captive Portal (NAT/Bridge mode)
Guest Account
Maintenance
Bulk Update

ALL-AC100 Controller



Hardware

- Qualcomm ARM A53, 1GHz Dual-Core
- 8GB eMMC Storage
- 2GB DDR4 RAM
- microSD slot for additional storage
- 2x GbE LAN Port (1x PoE 802.3af PD)
- DC Jack 12V/1A

Software

- Support max. 100 Devices WIFI AP´s or Switches

ALL-SGC5410PM-10G Switch

Copper Ports	8x2.5GbE
SFP+ Ports	2x 10GbE
PoE Available Ports	8
PoE Standard	IEEE802.3af/at
PoE Power Budget	240W
Switch Chip	RTL9302C
PHY	GPY241
PoE Controller	RTL8238B
Flash Memory	16MB NOR 128MB NAND
SDRAM Memory	512MB DDR3
Packet Buffer	12Mbit
MAC Table Size	16G
Switch Capacity	80Gbps
Fan(s)	2
Power Supply	Int. PSU 300W
Dimmensions (Wx H x D)	330 x 44 x 230mm
Operating Temperature	0°C to 50°C

WIFI 6 AX Wireless Accesspoints

ALL-WAPC0522AX-3000	ALL-WAPC0544AX-5400	ALL-WAPC0523AXO-3000
		
AX3000 Indoor	AX5400 Indoor	**AX3000 Outdoor IP67**
2.4/5GHz: 2x2/2x2 2G @ 600Mbps 5G @ 2400Mbps	2.4/5GHz: 2x2/4x4 2G @ 600Mbps 5G @ 4800Mbps	2.4/5GHz: 2x2/2x2 2G @ 600Mbps 5G @ 2400Mbps
Dual-Core A53 1Ghz	Dual-Core A53 1Ghz	Dual-Core A53 1Ghz
1 x 2.5GbE port	1 x 2.5GbE port	1 x 2.5GbE port
802.3at PoE in	802.3at PoE in	802.3at PoE in
Integrated Omni Antenna	Integrated Omni Antenna	External Omni Antenna
Ceiling/Wall mount 160x160x30mm	Ceiling/Wall mount 160x160x30mm	Wall/Pole mount 190x124x47mm (w/o antenna)

Use Case: As a Retail Shop Owner

Small businesses and retail with zero IT are looking for the simple and smart networking solution.

I want to setup a secured Guest Wi-Fi separated from Staff network.

- Wi-Fi templates are available for Guest and Staff usage.
- Set up guest Wi-Fi with predefined template options in a few steps.

I want to promote my store FB page to in-store customers.

- Enable Facebook Wi-Fi for your in-store guest network.
- Users need to check in your FB page before accessing Internet

I worry about in-store customers using most of the Internet bandwidth.

- You can set up a bandwidth limit policy for the guest Wi-Fi network or on per client basis.

I want to block Internet access for suspicious clients.

- You can block the client for whole or specific Wi-Fi networks whenever a suspicious client is found.

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Vielen Dank