

# V1903-AC

Hardware AC Server

## Overview:

V1903-AC is a cost-effective, compact hardware AC server with powerful service processing. Designed for widely adopted SMB AC+AP networks, it offers centralized AP management and flexible deployment for FTTH broadband, SOHO and small business offices—an ideal choice for small and medium wireless networks.

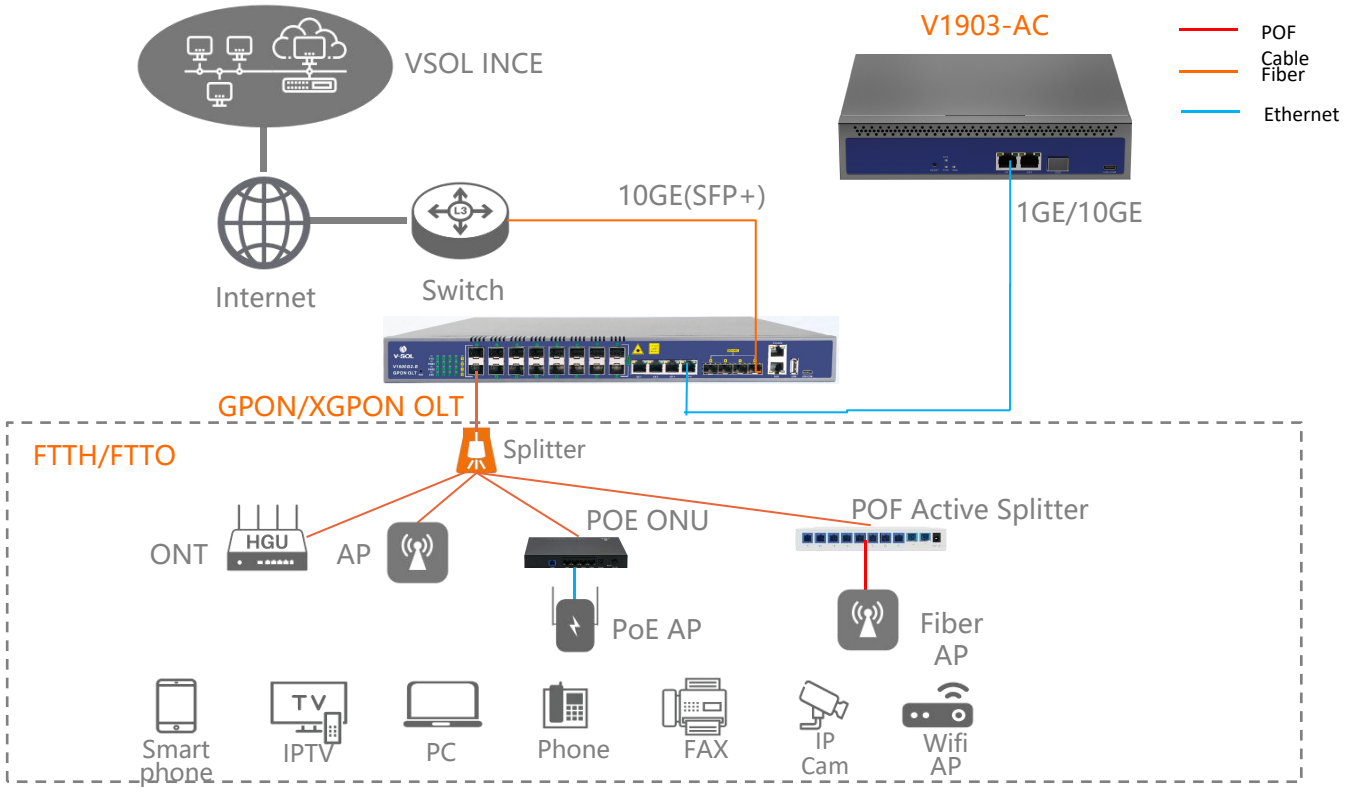
## Highlights:

High-performance Chipset

10GE(SFP+) Uplink

Centralized Control

## Applications:



## Technical Specifications

| Item | | V1903-AC |
|---|---|---|
| Form Factor | Chassis | 1U |
| Uplink Ports | Quantity | 3 |
| | RJ45(GE) | 2 |
| | SFP(GE)/SFP+(10GE) | 1 |
| Management Port | | 1*USB-COM (Type-C) Port |
| Forwarding Rate (Mpps) | | 21.576 |
| Management | | WEB/Telnet/CLI/SNMP |
| Power Supply | AC | Input: 100–240V; Rated: 110V/220V |
| | DC Adapter | 12V DC/1A |
| Surge Protection | Power Supply | 4KV |
| | Ports | 1KV |
| Temperature | Operating | -20°C ~+60°C |
| | Storage | -40~+70°C |
| | Relative Humidity | 5–95% (Non-condensing) |
| Weight | | Net weight (single PSU): 0.9kg |
| Dimensions | | 210mm*173mm*43.6mm |

**Capacity**

- Managed APs: 400
- Connected clients: 12800

| Features | V1903-AC |
|---|---|
| Dashboard | Site-level network overview on the dashboard<br>AP online rate, client/alert counts, traffic trends and key experience metrics<br>Filter by site, floor, area, AP group, SSID and client type |
| AP Discovery & Pre-join | Automatic LAN AP discovery and batch onboarding<br>Exception matching confirmation and audit logs |
| Auto Networking | Collect neighboring AP signal, channel and uplink data<br>Generate network topology and display link quality<br>Adapt network paths to bandwidth, signal, load and client distribution |
| Auto Optimization | Channel optimization by site, floor, AP group and radio<br>Automatic channel and power adjustment<br>Run optimization immediately, on schedule or off-peak<br>Continuous monitoring of optimization results<br>View before/after parameters and improvements |
| Deployment Assistance | Import floor plans as images or PDFs<br>Configure scale, floors, rooms and walls<br>Annotate AP locations and installation details<br>Heatmaps for RSSI, SNR, channel utilization, clients and alerts<br>Recommendations for AP count, placement, power, channels and roaming<br>Client density statistics by area |

| Features | V1903-AC |
| --- | --- |
| Statistics | AP status, CPU, memory, temperature, version and uplink statistics<br>RSSI, SNR, channel use, noise, retry rate and connection success rate<br>Traffic statistics by SSID, AP and client<br>Client type, band, online duration and roaming count statistics<br>Alert and configuration version statistics<br>Real-time views, historical trends, multi-criteria filters and data export |
| Diagnostics | Monitor AP, LeaderAP, local AC and cloud connection status<br>Diagnose offline devices, reboots, version issues and uplink flapping<br>Display alert impact and recommended actions<br>Identify congestion and recommend optimization<br>Display network topology and abnormal links<br>Speed tests for APs, gateways, cloud, clients and specified servers<br>Isolate network, deployment and client faults |
| Client Management | Roaming policies based on client, SSID, signal, service and load<br>Load balancing across APs and bands<br>Priority client protection and configurable alert thresholds<br>Open, PSK, enterprise, captive portal and external authentication<br>Client online time and traffic statistics<br>Manage client profiles, authentication logs and billing data |
| Visual Operations | Roaming policies based on client, SSID, signal, service and load<br>Load balancing across APs and bands<br>Priority client protection and configurable alert thresholds<br>Open, PSK, enterprise, captive portal and external authentication<br>Client online time and traffic statistics<br>Manage client profiles, authentication logs and billing data |

**Ordering Information:**

| Product Name | Description | Power Configuration | Accessories |
| --- | --- | --- | --- |
| V1903-AC | 2*RJ45+1*SFP/SFP+ | 1*DC<br>1*AC<br>1*AC+1*DC (Default) | 1G SFP Module<br>10G SFP+ Module |