AADONA
GOING BEYOND VISION

APOLLO : AWG-5000

SMB Wireless Unified Controller For Max 128 Access Points with AAA Hotspot, Multi WAN Load Balancing and Fail Over

Apollo AWG-5000 is a medium-size Unified Controller by AADONA to manage and monitor wireless network and users. It is based on CAPWAP protocol and supports multi-ISP access, Link Load Balancing, Ethernet backup, Ethernet superimpose. AWG-5000 supports policy routing, VPN and DHCP. It provides smart flow control, varied user management functions, and multiple authentication options.

AWG-5000 Unified controller is best suited to provide highly efficient and reliable network connectivity for hotels, small enterprises, Internet bars, and shopping malls. It can manage and monitor wireless access points in centralized and distributed deployment modes. Administrator can manage/monitor client traffic in centralized/gateway mode. AWG-5000 provides an intuitive dashboard to monitor controller statistics and user traffic.

AWG-5000 provides a reliable wireless coverage solution which is cost-efficient and convenient.

FEATURES

Multiple WAN ports and routing functions

AWG-5000 supports multiple Gigabit WAN ports with PPPoE/DHCP/Static IP configuration each of them. It supports multiple ISP connections with load balancing option. In centralized deployment mode it supports 128 concurrent users. AWG-5000 supports Ethernet Superimpose, multiple ISP network connections to avoid bandwidth overloading and Ethernet backup/fail-over to recover the dropped WAN link to ensure a smooth running network. AWG-5000 supports policy-based routing function where administrators can configure the network based on IP/MAC/Domain/Interface policies.

Smart QoS

AWG-5000 supports smart QoS based on ports, individual users, user groups and user applications. It allows bandwidth control and dispatch by tunnel or by application. AWG-5000 provides a variety of functions including multiple queuing mechanisms (priority queuing, low latency queuing, custom queuing, weighted queuing), congestion avoidance, traffic policing, traffic shaping and priority marking, ensuring different service for different users and applications.

Varied security mechanisms

AWG-5000 supports a variety of security mechanism, like TCP/UDP/ICMP Flooding, IP/MAC/URL/Web filtering, Ping of Death and other related threats. It also extends protection to every port of the controller and enable the ports to provide DoS/DDoS attack protection, traffic monitoring, Uniform Resource Locator (URL) filtering, and application layer filtering. It also supports user management and password protection. Users of different levels can be assigned with different configuration authorities. Administrator can create blacklist and whitelist per SSID basis. Administrator can redirect URL/domain to a desired destination. AWG-5000 supports IP-MAC binding for secure access and can allow only MAC-bound terminals to access the internet.

Multiple authentication options

AWG-5000 supports web page authentication, PPPoE authentication, IP and MAC authentication. Web page authentication includes social media authentication and one-time password authentication. Users can configure captive portal as per their requirement and can also display advertisements on client devices for monetary purposes. Administrator can configure few special IP addresses as free authentication IP addresses, which can bypass the authentication process and access the internet. AWG-5000 also works as a PPPoE server, administrator can create PPPoE account, password, bandwidth and valid time, to realize PPPoE billing function.

Remote Maintenance and Auto firmware upgrade

Administrator can access into AWG-5000 management interface page remotely from any location, to manage and maintain the wireless access points and WLAN network efficiently and conveniently. AWG-5000 can automatically upgrade to the new released firmware version and easily recover the system through importing and exporting configuration files. It also supports a scheduled reboot or power off which can be configured as a timely regular task of a one-time temporary task.

Access points management

Access points receive IP address from built in DHCP Server which can assign the IP address for wireless AP automatically when AP is connected to AWG-5000 controller in same network. Administrator can assign a different IP pool in controller DHCP server for access points. AWG-5000 auto detects the wireless AP and supports configuration of single AP or an AP cluster. AWG-5000 can centrally manage SSID password, mode, channel, RF power, coverage threshold and can reboot, reset or upgrade firmware remotely for efficient maintenance.

Network features

AWG-5000 supports VPN dial up, DNS Proxy, IP address translation and user behavior management.

SPECIFICATIONS

Model	AWG-5000
Product Family	APOLLO
Warranty	3 Year
INTERFACES	
10/100/1000M Port	5
Total Configurable WAN	4
USB	--
PROTOCOL	
IEEE 802.3	Y
802.3u	Y
802.3ab	Y
TCP/IP	Y
DHCP	Y
ICMP	Y
NAT	Y
PPPoE	Y
SNTP	Y
HTTP	Y
DDNS	Y
IPsec	Y
PPTP	Y
L2TP	Y
CAPWAP Protocol	Y
SOFTWARE FEATURES	

AP Management	Access and manage max 128 users in centralized deployment mode
Number of AP to Manage	128
Central Management	Y
Remote Management	Y
User Status	Y
SSID	2 Per Radio
Total SSID per AP	4
Smart Flow Control	Y
One-click smart flow control	Y
Powerful multiline diversion	Y
Automatic Application Priority	Y
	LOAD BALANCE
Multiple WAN	Y
Multiple ISP network access	Y
Intelligence link load balancing	Y
Ethernet line backup	Y
Ethernet Superimposed	Y
	ROUTING
IP address-based	Y
Destination IP address	Y
Source MAC address	Y
Network port	Y
Domain-based	Y
Destination port	Y
Extranet port	Y

Identity binding	Y
Protocol binding	Y
Static Routing	Y

BEHAVIOUR MANAGEMENT

All-round to block P2P firmware	Y
P2P flow control and bandwidth allocation	Y
File and URL filter	Y
Monitor network behavior at all times	Y

BANDWIDTH LIMITATION

IP-based bandwidth limitation	Y
Safeguard / Restrict bandwidth	Y
Time strategy	Y
IP based session restriction	Y

SECURITY CENTER

MAC address filter	Y
URL/keywords filter	Y
Web content filter	Y
IP address filter	Y
Port mapping	Y
DMZ	Y

DEFENSE CENTER

TCP/UDP/ICMP flood defense	Y
Block TCP scanning	Y
Block ping WAN port	Y

ARP Detection	Y
Send GARP packets	Y
ARP Scanning on WAN/LAN port	Y
Online detection	Y
IP-MAC binding	Y

AUTHENTICATION

PPPoE authentication	Y
Portal authentication	Y
Social media Authentication	Y
WEB password authentication	Y
IP and MAC authentication	Y
Allow/deny user access by IP/MAC address	Y

MANAGEMENT

Web/CLI/Telnet management	Y
Remote management	Y
DDNS	Y
VPN management	Y

POWER SPECIFICATIONS

Power	AC:100-240V,50HZ

ENVIRONMENTAL & PHYSICAL SPECIFICATIONS

Dimension	440 x 240 x 44mm
Working Temperature	-20℃~55℃
Storage Temperature	-40℃ ~ 70℃
Working Humidity	5% ~ 97%RH (No condensation)

PACKAGE CONTENT

AWG-5000	1
Quick Installation Guide	Y
Power Cord	1
Rack mounting kit	Included
	NOTE:
Cloud*	Cloud server is hosted Internationally, India hosting will be done in 2021.

*All specifications are subject to change without notice.

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