Enterprise Wireless Access Controller
Model: WAC300



Core Functionality:

- **Wireless Access Point Controller:** Centralized management and control of up to 200 Access Points (APs) using the CAPWAP protocol.
- **Versatile Deployment:** Can function as the main router in a network or as a bypass Access Controller (AC).
- **High-Speed Network Interfaces:** Equipped with 1*1GE LAN ports, 3*1GE LAN/WAN and 1*1G WAN ports for high-bandwidth connectivity.
- **WAN/LAN Interchangeability:** Flexible port configuration allowing for adaptation to different network topologies.
- **Multiple WAN Support:** Enables configuration with multiple WAN connections for enhanced network resilience and performance.

Advanced WAN Features:

- **WAN Port Load Balancing:** Distributes network traffic across multiple WAN links to improve bandwidth utilization and throughput.
- **Multi-Operator Access:** Supports simultaneous connections from different internet service providers.
- **Line Backup:** Provides automatic failover to a secondary WAN connection in case of primary link failure, ensuring network continuity.
- **Policy Routing:** Allows administrators to define specific routing rules based on various criteria (e.g., source/destination IP, port, protocol) to control network traffic flow.

Network Management and Security:

- **Intelligent Flow Control:** Optimizes network traffic and prioritizes critical applications for better performance.
- **Internet Behaviour Management:** Provides tools to monitor and control user internet access, potentially including features like website filtering and application control.
- **Network Firewall:** Integrated firewall to protect the network from unauthorized access and cyber threats.
- **VPN Settings:** Supports configuration of Virtual Private Networks (VPNs) for secure remote access and site-to-site connectivity.
- **Remote Access Control Management:** Enables secure remote administration and configuration of the WAC300.
- **Network Storm Protection:** Features mechanisms to mitigate network broadcast storms and other disruptive traffic patterns, ensuring network stability.

Management and Maintenance:

- **Remote Management and Maintenance:** Allows administrators to monitor, manage, and configure the WAC300 from any location with network connectivity, simplifying operations and reducing on-site visits.
- **Easy Installation and Maintenance:** Designed for straightforward deployment and simplified ongoing maintenance, leading to reduced operational costs.

Authentication Gateway Features:

- **Cloud Platform Access:** Can act as an authentication gateway to connect to cloud-based platforms.
- **Advertising Authentication:** Enables authentication methods that involve displaying advertisements to users before granting network access.
- **User Authentication:** Supports various user authentication methods to control network access.

Target Applications:

- Small and medium-sized enterprises (SMEs)
- Schools
- Colleges
- Urban villages
- Hotels
- Shopping malls
- Other similar environments requiring robust and manageable wireless networking solutions.

In summary, the AgniGate WAC300 is a feature-rich wireless access point controller designed for Small Medium to Enterprise deployments, offering high-speed connectivity, advanced WAN capabilities, comprehensive network management and security features, and simplified remote administration.

AgniGate WAC300 Software Specifications:

AP management	APs: 200 Max.
	Centralized and remote AP management
	User status view
Smart flow control	One-click intelligent flow control
	Powerful multi-line diversion
	Auto apply priority
Load balance	Multi WAN, multi-ISPs access
	Smart load balance
	Line backup
	Network speed stack
	Policy routing: based on source IP address, destination IP address, source MAC address, network interface, domain name, destination port, Internet interface, identity binding and other policies
	Protocol banding
	Online detection
Routing	Static routing
Content Filter	Fully block P2P software
	P2P flow control and bandwidth allocation
	File transfer and URL filtering
	Comprehensive control of network behavior
Bandwidth Control	IP based
	Guarantee/limit bandwidth
Firewall Features	Time based
	IP-based session restriction
	MAC filter
	URL filter
	Web filter
	IP filter
	Port forwarding
	DMZ
Defense Center	TCP/UDP/ICMP flood attack;
	Block TCP scan
	Block PING WAN port
ARP detection	Send GARP package

	WAN/LAN port ARP scan
	IP-MAC band
Authentication	Member, One-key, SMS, 3rd Party radius
Management	Web/CLI/Telnet
	Remote management
Others	DDNS, VPN

AgniGate WAC300 Hardware Specifications:

Product type	1U
Processor	Intel
BIOS	UEFI BIOS
Network	
Interface	5*GbE RJ45 [1*1GE LAN, 3*1GE LAN/WAN and 1*1G WAN]
Reset Switch	Yes
LED	Link/Act LED: Green light on when connecting, flashing green light during network communication
External interface	
USB	1*USB3.0
Console	1*Console port, RJ45
Power switch	ATX switch
LED	Layer 1: Hard disk indicator light: yellow light, flashing when data is read or written
	Layer 2: Power indicator light: green, power on LED is on
Dimensions (L*W*H)	220mm*440mm*44.5mm
Power Supply	
Type	Built in open power supply
Power	65W
Power input	AC100V-264V
Working Temperature	0℃~50℃
Storage Temperature	-40℃～70℃
Working humidity	5%～85% RH Non condensing @ 40℃
Storage humidity	5～95% RH, non-condensing.