



WS500G2

Carrier-grade Wireless LAN Controller



The WS500G2 is a wireless LAN controller which provides centralized control, centralized management and centralized configuration for access points in the large scale carrier-grade wireless network and also provides secure access for user endpoints.

As a carrier-grade edge gateway, it is deployed at the convergence layer between the access network and the core network to keep the core network from being illegally accessed. Supports various communications protocols and call flows which correspond to authentication such as, AAA, 802.1x, Captive Portal...etc.

The WS500G2 is capable of controlling and managing 4096 access points and over 100K user endpoints, while the user service data traffic could be either centralized forwarding or locally breakout to internet.

It is no doubt that WS500G2 is a key network element in Wi-Fi system to achieve centralized management and system security.



Experience in Telecom

Abundant experience in telecom collaborations for integrating Wi-Fi into telecom service systems.



Centralized Management

Centralized management platform to optimize performance and efficiency.



Solid Product Design

Advanced hardware design embedded with flexible and reliable software.



Various Application Scenarios

A wide range of carrier-grade wireless access points for deployments in various environments.



Security

Call flows and various access security schemes will enhance security of the network.

Hardware	Chassis	1U	
	CPU	2 x Intel Xeon (8 Cores)	
	Memory	DDR4 32GB	
	Storage	SSD 64GB	
	Power Supply	100-240V AC Redundancy	
	Dimension	630 (L) x 438 (W) x 44 (H) mm	
Network	10/100/1000Base-TX	8 × RJ45	
	10G Base-SR	8 × SFP+	
	L2 Switch Capability	Supported	
	Connection Architecture	Openflow 1.3 Support Control/Data Plane Separation	
Features	Capacity	Thin APs	4096
		User Endpoints	127K
		UE Data Traffic	40Gbps
	AP Access & Configuration	DHCP Option43 for Discover WLC	
		CAPWAP Tunnel	
		Auto Downloading Configuration Templates	
	UE Authentication & Accounting	802.1x EAP	
		SIM EAP	
		Portal Radius	
		WPA/WPA2 Radius	
	Performance	Load Balance for UE Accessing & Traffic QoS	
		DPDK for UE Traffic Centralized Forwarding	
		UE Bandwidth Control	
		VLAN/SSID Bandwidth Control	
	Security	Packets Limitation	
		Counter DoS Attack	
		ACL	
		Rogue AP Detection	
		Firewall & WIPS	
	RF Management	Interference Spectrum Analysis	
RF Optimization			
Auto TX Power Control			
Auto Channel Selection			
Mesh and WDS	Supported		
Management	CLI		
	WEB UI		
	SNMP		
Reliability	N+1 Backup		