



WS200/500/1000G2

Carrier-grade
Wireless LAN Controller



The WS200/500/1000G2 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.

It is no doubt that WS200/500/1000G2 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	Model		WS200G2	WS500G2	WS1000G2
	Chassis		1U	1U	2U
	CPU		1 x Intel Xeon (8 Cores)	2 x Intel Xeon (8 Cores)	2 x Intel Xeon (14 Cores)
	Memory		DDR4 16GB	DDR4 32GB	DDR4 64GB
	Storage		SSD 64GB	SSD 64GB	SSD 64GB
	Power Supply		100-240V AC Redundancy	100-240V AC Redundancy	100-240V AC Redundancy
	Dimension (L*W*H mm)		600 x 438 x 44	600 x 438 x 44	600 x 438 x 88
Network	10/100/1000Base-TX RJ45		8	8	8
	10G Base-SX SFP+		4	8	4
	40G Base-SR QSFP		-	-	2
Features	Capacity	Thin APs (central forwarding)	2048	4096	8192
		User Endpoints	64K	127K	127K
		UE Data Traffic	20Gbps	40Gbps	60Gbps
	L2 Switch Capability		Supported		
	Connection Architecture		Openflow 1.3		
			Support Control/Data Plane Separation		
	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		
			Traffic Centralized Forwarding by DPDK		
			UE Uplink/Downlink Bandwidth Control		
			VLAN/SSID Bandwidth Control		
	Security		Packets Limitation		
			Counter DoS Attack		
			ACL		
			Rogue AP Detection		
			Firewall & WIPS		
			Interference Spectrum Analysis		
	RF Management		RF Optimization		
			Auto TX Power Control		
			Auto Channel Selection		
			Supported		
	Mesh and WDS Management		CLI / WEB UI / SNMP		
	Reliability		N+1 Backup		