

Centralized WLAN Controller

WEC8500/WEC8050

Samsung's WLAN Controllers WEC8500 and WEC8050 are specially designed with small to medium sized businesses in mind, as well as, for mission-critical wireless networking in mid-sized to large enterprises.

By applying LTE technology, these high-performing, 802.11ac-ready controllers are optimized to ensure that users benefit from the most reliable connectivity.

Major Functions and Benefits

WEC8500/WEC8050

Optimized Integration of Mobile Devices in the Enterprise

- The system self-optimizes to suit other APs, users and the environment.
- Less detailed RF planning needed : large throughput increase : resulting in higher efficiencies and better user experience.
- Improved continuous coverage : less 'black spots' and interference (Seamless handover)*

Powerful and Efficient Network

- Built-in authentication server, stateful firewall, and L3 routing function.
- Scalable capacity through clustering.
- Greater potential revenues, always-on (connected) and higher efficiencies (e.g. less employee downtime).
- Higher uptime, less time for network analyzing and reconfiguration leads to low total cost of ownership (TCO) vs. the competition.

* Supports all Galaxy series

WEC8500

- Enterprise WLAN controller optimized for large-scale organizations, headquarters, and branches.
- Capable of accommodating up to 3,000 APs when clustering in centralized processing mode (for single configuration: up to 1000 APs).
- Capable of accommodating up to 3,000 APs with one controller in a distributed processing mode.
- System stability secured by power redundancy.
- Two 10GE ports and eight GE ports.
- Built-in authentication server capable of accommodating up to 2,048 users.



WEC8050

- Special WLAN controller optimized for small-to-medium-scale organizations, branches as well as remote offices.
- Capable of accommodating up to 200 APs when clustering in centralized processing mode (for single configuration : up to 75 APs).
- Built-in authentication server capable of accommodating up to 512 users.
- Built-in stateful firewall.





Specifications

		WEC8500	WEC8050
Scalability	Maximum # of APs (Central Processing Method)	1,000	75
	Maximum # of APs (Clustering Structure)	3,000 (Up to 6)	150 (Up to 2)
	Maximum # of APs (Distributed Processing Method)	3,000	200
	# of Clients	20,000	1,500
H/W	Network I/F	2 10GE, 8 GE, 1 Console, 1 Management	4 GE, 1 Console
	USB	1	-
	System Redundancy	System redundancy	System redundancy
	Redundant Power	Yes (Optional)	-
Network	Routing	Yes	Yes
	VLANs	1,024	128
	DHCP	Server, Relay, Proxy	Server, Relay, Proxy
	QoS	Shaping, Policing, 802.1p, Voice quality monitoring	Shaping, Policing, 802.1p, Voice quality monitoring
Security	Firewall	Yes (License required)	Yes (License required)
	Authentication	802.1x	802.1x
	MAC Filtering, ACL	Yes	Yes
	Encryption (APC-AP)	DTLS	DTLS
	AAA	Radius Server	Radius Server
RF Manager	RM	Power, Channel, Coverage hole	Power, Channel, Coverage hole
	RF Spectrum Analysis	Yes	Yes
Management	CLI	Yes	Yes
	GUI	Yes	Yes
	SNMP	Yes	Yes
	Syslog	Yes	Yes