802.11ac Wave 2 AP

Samsung 802.11ac Wave 2 AP is a high speed, high performaning Access Points for environments where multiple terminals are connected or where large amounts of data such as video streaming are frequently transmitted.

Main Functions and Features

Data transmission capacity improved by 30%

•PHY rates improved compared to the Wave 1 AP (1.3Gbps → 1.7Gbps)
•Channel 160MHz 2 Spatial Stream supported (or 80MHz 4 Spatial Stream)
•4 MU-MIMO (Possible to transmit data to four users at the same time) high-power design
•Extended coverage with high power of 20 dBm per path

Providing data and security services at the same time

•Exclusive WIPS/monitoring module (WEA504i)

Intelligent Beam Selectable Antenna

•Extended coverage, secured legacy terminal service performance in moderate and weak electric fields (WEA504i)

Specifications

		WEA504i	WEA514i
Features		Dedicated WIPS Module	-
Wireless	Standard	802.11a/b/g/n/ac	802.11a/b/g/n/ac
	# of Radio	Dual Concurrent Radio	Dual Concurrent Radio
	Frequency	2.4GHz, 5GHz	2.4GHz, 5GHz
	Antennas	Internal Type	Internal Type
	MIMO	4X4 MIMO, 4 Spatial Streams, 4 Multiuser MIMO	4X4 MIMO, 4 Spatial Streams, 4 Multiuser MIMO
	Spectrum Analysis	Yes	Yes
	PHY Rate	1.7 Gbps	1.7 Gbps
H/W	Network I/F	2 GE (RJ45), 1 Console (RJ45)	2 GE (RJ45), 1 Console (RJ45)
	PoE	802.3at	802.3at
	Environment Class	Indoor	Indoor
Dimension	Diameter / Height	205 mm / 45 mm	205 mm / 45 mm
	Weight	860 g	840 g
Security	Standard	802.11i, WPA/WPA2	802.11i, WPA/WPA2
	Multi SSID	Maximum 16	Maximum 16
	# of Multi VLAN Over SSID	Maximum 1,024	Maximum 1,024
	Rogue AP Detection / Blocking	Detection / Blocking	Detection (Time sharing)
QoS	Standard	802.11e	802.11e
	WMM	Yes	Yes
Management	Operation	Controller-Based Mode, Stand-Alone Mode	Controller-Based Mode, Stand-Alone Mode
Certification	WiFi Certified	WPA/WPA2, WMM, WMM-PS	WPA/WPA2, WMM, WMM-PS
	Certification	KC, FCC/CE	KC, FCC/CE