

Samsung Access Points



11ac Access Points WEA400 Series

The Samsung Access Points WEA400 series support 802.11ac, the next generation of Wi-Fi, offering higher throughput, higher capacity, and less interference, while providing easy and reliable management. The WEA400 series are dual concurrent radio products, each radio capable of running in both 2.4 and 5GHz band.



MODEL		WEA412i	WEA403i	WEA403e
Wireless	Standard	802.11a/b/g/n/ac		
	# of Radio	Dual Concurrent Radio		
	Frequency	2.4 GHz, 5 GHz		
	Antennas	Internal Type		External Type
	MIMO	2 x 2 MIMO, 2 Spatial Streams	3 x 3 MIMO, 3 Spatial Streams	
	PHY rate	867 Mbps	1.3 Gbps	
H/W	Network I/F	2 x 1GE, 1 Console		
	PoE	802.3af/802.3at	802.3at	
	Environment Class	Indoor		
Dimension	Diameter/Height	205 mm/45 mm		
	Weight	790 g	820 g	
Security	Standard	802.11i, WPA/WPA2		
	Multi SSID	Maximum 16		
	# of Multi VLAN over SSID	Maximum 1,024		
	Encryption	DTLS		
QoS	Standard	802.11e		
	VMM	Yes		
Management	Operation	Controller Based		
Certification	WiFi Certified	WPA/WPA2, WMM, WMM-PS		
	KC	Yes		

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11ac Access Point | WEA412 ADDITIONAL INFORMATION | DATASHEET 1/2

Supported Wireless LAN Controller	WEC8500 Series WEC8050 Series					
Data Rates	802.11a : 6,9,12,18,24,36,48, and 54 Mbps 802.11g : 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48 and 54 Mbps 802.11n : MCS 0 to MCS 15 (6.5 Mbps ~ 300 Mbps) 802.11ac : MCS 0 to MCS 9 (6.5 Mbps ~ 866 Mbps)					
Frequency Band	802.11b/g/n : 2.412 GHz ~ 2.472 GHz 13 CH 802.11a/n/ac : 5.180 GHz ~ 5.825 GHz 24 CH *Available channel is compliant with local domain regulatory					
Maximum Transmit Power	20 dBm @ 2 streams (3 ~ 20 dBm) *The maximum transmit power will vary by channel and according to individual country regulation					
Receive Sensitivity	Rate	2.4 GHz	5 GHz			
		HT20	HT20	HT40	VHT20	VHT40 VHT80
	MCS 0	-91	-93	-90		
	MCS 7	-71	-73	-70		
	MCS 8	-88	-90	-87		
	MCS 15	-68	-70	-67		
	MCS 0/NSS1				-93	-90 -86
	MCS 7/NSS1				-73	-70 -67
	MCS 8/NSS1				-68	-66 -63
	MCS 9/NSS1				NA	-64 -61
	MCS 0/NSS2				-90	-87 -83
	MCS 7/NSS2				-70	-67 -64
	MCS 8/NSS2				-65	-63 -60
	MCS 9/NSS2				NA	-61 -58
	802.11 b					
	1 Mbps	-96				
	11 Mbps	-88				
	802.11 a/g					
	6 Mbps	-93	-93			
	54 Mbps	-74	-75			

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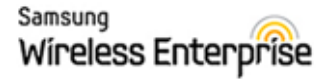
Integrated Antenna	2.4 GHz : 3.0 dBi 5 GHz : 5.5dBi
External Antenna	-
Interfaces	2 * 10/100/1000BASE-T (PoE 1 port) 1 * Console interface
Environmental	Storage temperature : -25°C ~ +70°C Operating temperature : 0°C ~ +45°C Operating humidity : 0~90% (noncondensing)
Input Power Requirements	IEEE 802.3af PoE : 44 to 57 VDC
Powering Options	Local power supply : 48V/0.75A
Power Draw	11.5 W
Compliance Standards	• Safety UL 60950-1 UL 2043 IEC 60950-1 EN 60950-1 EMI and susceptibility (Class B) FCC Part 15.107 and 15.109 EN 301 489-1 and -17 (Europe) KN 301 489-1/KN 301 489-17 (Korea) • Radio approvals FCC Part 15.247, 15.407 EN 300 328, EN 301 893(Europe) Radio Equipment Specifications (Korea) • EAP type(s) Extensible Authentication Protocol-Transport Layer Security (EAP-TLS) EAP-Tunneled TLS (TTLS) or Microsoft Challenge Handshake Authentication Protocol Version 2 (MSCHAPv2) Protected EAP (PEAP) v0 or EAP-MSCHAPv2 Extensible Authentication Protocol-Flexible Authentication via Secure Tunneling (EAP-FAST) PEAPv1 or EAP-Generic Token Card (GTC) EAP-Subscriber Identity Module (SIM) Multimedia : Wi-Fi Multimedia (WMM) WMM-PS

For more information, please visit: www.samcom.com.au

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11ac Access Point | WEA403i ADDITIONAL INFORMATION | DATASHEET 1/2

Supported Wireless LAN Controller	WEC8500 Series WEC8050 Series						
RF Monitoring	Dedicated RF and security monitoring module in AP						
Data Rates	802.11a : 6,9,12,18,24,36,48, and 54 Mbps 802.11g : 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48 and 54 Mbps 802.11n : MCS 0 to MCS 23 (6.5 Mbps ~450 Mbps) 802.11ac : MCS 0 to MCS 9 (6.5 Mbps ~ 1.3Gbps)						
Frequency Band	802.11b/g/n : 2.412 GHz ~ 2.472 GHz 13 CH 802.11a/n/ac : 5.180 GHz ~ 5.825 GHz 24 CH *Available channel is compliant with local domain regulatory						
Maximum Transmit Power	23 dBm @ 3 streams (5 ~ 23 dBm) *The maximum transmit power will vary by channel and according to individual country regulation						
Receive Sensitivity	Rate	2.4 GHz	5 GHz				
		HT20	HT20	HT40	VHT20	VHT40	VHT80
	MCS 0	-91	-93	-90			
	MCS 7	-71	-73	-70			
	MCS 8	-88	-90	-87			
	MCS 15	-68	-70	-67			
	MCS 16	-86	-88	-85			
	MCS 23	-66	-68	-65			
	MCS 0/NSS1				-93	-90	-86
	MCS 7/NSS1				-73	-70	-67
	MCS 8/NSS1				-68	-66	-63
	MCS 9/NSS1				NA	-64	-61
	MCS 0/NSS2				-90	-87	-83
	MCS 7/NSS2				-70	-67	-64
	MCS 8/NSS2				-65	-63	-60
	MCS 9/NSS2				NA	-61	-58
	MCS 0/NSS3				-88	-85	-82
	MCS 7/NSS3				-68	-65	-62
	MCS 8/NSS3				-64	-61	-58
	MCS 9/NSS3				-62	-59	-56
	802.11 b						
	1 Mbps	-96					
	11 Mbps	-88					
	802.11 a/g						
	6 Mbps	-93	-93				
	54 Mbps	-74	-75				

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Integrated Antenna	2.4 GHz : 3.0 dBi 5 GHz : 5.5dBi
External Antenna	-
Interfaces	2 * 10/100/1000BASE-T (PoE 1 port) 1 * Console interface
Environmental	Storage temperature : -25°C ~ +70°C Operating temperature : 0°C ~ +45°C Operating humidity : 0~90% (noncondensing)
Input Power Requirements	IEEE 802.3at PoE : 50 to 57 VDC
Powering Options	Local power supply : 48V/0.75A
Power Draw	19.3 W

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