

Access Point

WEA412i



Radio Specifications	802.11a/b/g/n/ac Dual concurrent radio 2 X 2 MIMO, 2 spatial streams PHY data rates up to 866 Mbps 802.11n high throughput (HT20/40) 802.11ac high throughput (HT20/40/80) Dynamic frequency selection (DFS)							
Operation Mode	Controller-based Mode, Standalone Mode							
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 to 300 Mbps) 802.11ac: MCS 0 to MCS 9 (6.5 Mbps to 866 Mbps)							
Frequency	802.11b/g/n: 2.412 GHz to 2.472 GHz 13 CH 802.11a/n/ac: 5.180 GHz to 5.825 GHz 25 CH * Available Channels are Compliant with local regulations							
Maximum Transmit Power	20 dBm with 2 streams (17 dBm/Path) * The maximum transmission power will vary by channel and according to individual regulations							
Receive Sensitivity	Rate	2.4 GHz			5 GHz			
		HT20	HT20(MRC)	HT40	VHT20	VHT40	VHT80	
	MCS 0	-91	-93	-90				
	MCS 7	-71	-73	-70				
	MCS 8	-88	-90	-87				
	MCS 15	-68	-70	-67				
	MCS0/NSS1				-93	-90	-86	
	MCS 7/NSS1				-73	-70	-67	
	MCS 8/NSS1				-68	-66	-63	
	MCS 9/NSS1				N/A	-64	-61	
	MCS 0/NSS2				-90	-87	-83	
	MCS 7/NSS2				-70	-67	-64	
	MCS 8/NSS2				-65	-63	-60	
	MCS 9/NSS2				N/A	-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: 5.5 dBi
Interfaces	Two 10/100/1000BASE-T (PoE 1 port) One Console interface
Dimensions	Diameter X Height: 205 mm X 45 mm
Weight	790 g
Environmental	Storage temperature: -25 °C to +70 °C Operating temperature: 0 °C to +45 °C Operating humidity: 0 to 90 % (noncondensing)
Input Power Requirements	IEEE 802.3af PoE: 44 to 57 VDC
Powering Options	Local power supply: 48 V / 0.75 A
Power Draw	11.5 W
Compliance Standards	<ul style="list-style-type: none">• 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
Part Number	WDS-A4121/KOR (Korea) WDS-A4121/XAR (US & Canada) WDS-A4121/EUS (EU)

SAMSUNG