

Access Point

WEA303i



Radio Specifications	802.11a/b/g/n, Dual concurrent radio 3 X 3 MIMO, 3 spatial streams PHY data rates up to 450 Mbps 802.11n high throughput (HT20/40) Dynamic frequency selection (DFS)			
Operation Mode	Controller-based, Standalone mode			
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 to 450 Mbps)			
Frequency	802.11b/g/n: 2.412 GHz to 2.472 GHz 13 CH 802.11a/n: 5.180GHz to 5.825 GHz 24 CH * Available Channels are Compliant with local regulations			
Maximum Transmit Power	22 dBm with 3 streams (17 dBm/Path) * The maximum transmission power will vary by channel and according to individual regulations			
Receive Sensitivity	802.11n	2.4 GHz		5 GHz
	MCS Index	HT20	HT20	HT40
	MCS 0	-97	-96	-92
	MCS 1	-96	-95	-92
	MCS 2	-94	-94	-90
	MCS 3	-90	-89	-86
	MCS 4	-87	-86	-83
	MCS 5	-83	-82	-79
	MCS 6	-81	-80	-77
	MCS 7	-80	-79	-76
	MCS 8	-96	-95	-91
	MCS 9	-93	-91	-88
	MCS 10	-91	-89	-86
	MCS 11	-88	-85	-82
	MCS 12	-85	-82	-79
	MCS 13	-80	-77	-74
	MCS 14	-79	-76	-72
	MCS 15	-78	-74	-71
	MCS 16	-95	-95	-91
	MCS 17	-92	-91	-88
	MCS 18	-89	-88	-86
	MCS 19	-86	-84	-83
	MCS 20	-82	-81	-79
	MCS 21	-78	-77	-75
	MCS 22	-77	-74	-72
	MCS 23	-75	-73	-71
		802.11 b		
	1 Mbps	-103		
	11 Mbps	-93		
	802.11 a/g			
	6 Mbps	-97		
	54 Mbps	-83		
			-96	
			-82	
	* Maximum capability of the hardware provided			

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Integrated Antenna	2.4 GHz 3.5 dBi Intelligent Beam Selectable Antenna (IBSA) 5 GHz 5 dBi Intelligent Beam Selectable Antenna (IBSA)
Interfaces	10/100/1000BASE-T ethernet autosensing (RJ-45) Management console port (RJ-45)
Dimensions	Diameter X Height: 174 mm X 34.1 mm
Weight	640 g
Environmental	Storage temperature: -20 °C to 70 °C Operating temperature: 0 °C to 45 °C Operating humidity: 5 to 95 % (noncondensing)
Input Power Requirements	IEEE 802.3af PoE: 44 to 57 VDC
Powering Options	Local power supply: 100 to 250 VAC, 50/60 Hz
Power Draw	11.5 W
Compliance Standards	<ul style="list-style-type: none"> • Safety: <ul style="list-style-type: none"> UL 60950-1 UL 2043 IEC 60950-1 EN 60950-1 EMI and susceptibility (Class B) <ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> FCC Part 15.247, 15.407 EN 300 328, EN 301 893 (Europe) Radio Equipment Specifications (Korea) • EAP type (s): <ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> • AP type <ul style="list-style-type: none"> WDS-A302CI / KOR (Korea) WDS-A302CI / XAR (US & Canada) WDS-A302CI / EUS (EU) • Mounting kit <ul style="list-style-type: none"> WDS-A300WK / KOR, / XAR, / EUS: Wall mounting WDS-A300CK / KOR, / XAR, / EUS: Ceiling mounting