

# Access Point

## WEA303e



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 Mode, 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

	802.11n	2.4 GHz		5 GHz	
	MCS Index	HT20	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		-96	
	54 Mbps	-83		-82	

\* Maximum capability of the hardware provided

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External Antenna(Sold Separately)	Omnni-Directional (Dual band): 2.4 GHz 4 dBi, 5 GHz 5.5 dBi
Interfaces	10/100/1000 BASE-T ethernet autosensing (RJ-45) Management console port (RJ-45)
Dimensions	Diameter X Height: 174 mm X 34.1 mm
Weight	650 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"> <li>• Safety: <ul style="list-style-type: none"> <li>UL 60950-1</li> <li>UL 2043</li> <li>IEC 60950-1</li> <li>EN 60950-1</li> </ul> </li> <li>EMI and susceptibility (Class B) <ul style="list-style-type: none"> <li>FCC Part 15.107 and 15.109</li> <li>EN 301 489-1 and -17 (Europe)</li> <li>KN 301 489-1 / KN 301 489-17 (Korea)</li> </ul> </li> <li>• Radio approvals: <ul style="list-style-type: none"> <li>FCC Part 15.247, 15.407</li> <li>EN 300 328, EN 301 893 (Europe)</li> <li>Radio Equipment Specifications (Korea)</li> </ul> </li> <li>• EAP type (s): <ul style="list-style-type: none"> <li>Extensible Authentication Protocol-Transport Layer Security (EAP-TLS)</li> <li>EAP-Tunneled TLS (TTLS) or Microsoft Challenge Handshake Authentication Protocol Version 2 (MSCHAPv2)</li> <li>Protected EAP (PEAP) v0 or EAP-MSCHAPv2</li> <li>Extensible Authentication Protocol-Flexible Authentication via Secure Tunneling (EAP-FAST)</li> <li>PEAPv1 or EAP-Generic Token Card (GTC)</li> <li>EAP-Subscriber Identity Module (SIM)</li> <li>Multimedia: Wi-Fi Multimedia (WMM)</li> <li>WMM-PS</li> </ul> </li> </ul>
Part Number	<ul style="list-style-type: none"> <li>• AP type <ul style="list-style-type: none"> <li>WDS-A303CE/KOR (Korea)</li> <li>WDS-A303CE/XAR (US &amp; Canada)</li> <li>WDS-A303CE/EUS (EU)</li> </ul> </li> <li>• Mounting kit <ul style="list-style-type: none"> <li>WDS-A300WK/KOR, /XAR, /EUS: Wall mounting</li> <li>WDS-A300CK/KOR, /XAR, /EUS: Ceiling mounting</li> </ul> </li> </ul>