

Access Point

WEA312i



Radio Specifications	802.11a/b/g/n, Dual concurrent radio 2 X 2 MIMO, 2 spatial streams PHY data rates up to 300 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
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)
Frequency	802.11b/g/n: 2.412 GHz to 2.472 GHz 13 CH 802.11a/n: 5.180 GHz to 5.825 GHz 24 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

	802.11n	2.4 GHz		5 GHz	
	MCS Index	HT20	HT20	HT20	HT40
MCS 0		-96	-96	-96	-93
MCS 1		-96	-96	-96	-91
MCS 2		-94	-93	-93	-89
MCS 3		-90	-89	-89	-85
MCS 4		-87	-86	-86	-82
MCS 5		-83	-82	-82	-78
MCS 6		-81	-80	-80	-77
MCS 7		-80	-78	-78	-75
MCS 8		-95	-95	-95	-91
MCS 9		-92	-91	-91	-88
MCS 10		-90	-89	-89	-86
MCS 11		-87	-86	-86	-82
MCS 12		-83	-83	-83	-79
MCS 13		-78	-78	-78	-74
MCS 14		-77	-76	-76	-73
MCS 15		-75	-75	-75	-72
802.11 b					
1 Mbps		-104			
11 Mbps		-94			
802.11 a/g					
6 Mbps		-96	-95		
54 Mbps		-82	-81		

* Maximum capability of the hardware provided

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Integrated Antenna	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	540 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	8.7 W
Compliance Standards	<ul style="list-style-type: none"> • Safety: K 60950-1: 2011 EMI and susceptibility (Class B) KN 301 489-1 / KN 301 489-17 (Korea) • Radio approvals: 무선설비규칙 (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	<ul style="list-style-type: none"> • AP type WDS-A312CI / KOR • Mounting kit WDS-300WK / KOR: Wall mounting WDS-300CK / KOR: Ceiling mounting