

# Access Point

## WEA313i



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			
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 450 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	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	-96	-96	-93
	MCS 1	-96	-96	-91
	MCS 2	-94	-93	-89
	MCS 3	-90	-89	-85
	MCS 4	-87	-86	-82
	MCS 5	-83	-82	-78
	MCS 6	-81	-80	-77
	MCS 7	-80	-78	-75
	MCS 8	-95	-95	-91
	MCS 9	-92	-91	-88
	MCS 10	-90	-89	-86
	MCS 11	-87	-86	-82
	MCS 12	-83	-83	-79
	MCS 13	-78	-78	-74
	MCS 14	-77	-76	-73
	MCS 15	-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 3.5 dBi 5 GHz 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	620 g
Environmental	Storage temperature: -20 to 70 °C Operating temperature: 0 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	9.7 W
Compliance Standards	<ul style="list-style-type: none"><li>• Safety: K 60950-1:2011</li><li>EMI and susceptibility (Class B) KN 301 489-1 / KN 301 489-17 (Korea)</li><li>• Radio approvals: 무선설비규칙 (Korea)</li><li>• 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</li></ul>
Part Number	<ul style="list-style-type: none"><li>• AP type WDS-A313CI / KOR</li><li>• Mounting kit WDS-300WK / KOR: Wall mounting WDS-300CK / KOR: Ceiling mounting</li></ul>

**SAMSUNG**