

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 Dynamic frequency selection (DFS) 802.11n high throughput (HT20/40)			
Operation Mode	Controller-based, Standalone Mode			
Supported Wireless LAN Controller	WEC8000 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 ~ 300 Mbps)			
Frequency Band	802.11b/g/n : 2.412 GHz ~ 2.472 GHz 13 CH 802.11a/n : 5.180 GHz ~ 5.825 GHz 24 CH * Available channel is compliant with local domain regulatory			
Maximum Transmit Power	20 dBm @ 2 streams (3 ~ 20 dBm) * The maximum transmit power will vary by channel and according to individual country regulation			
Receive Sensitivity	802.11n MCS Index	2.4 GHz HT20	5 GHz	
			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	Intelligent Beam Selectable Antenna (IBSA) 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 x 34.1 (mm)
Weight	540 g
Environmental	Storage temperature : -20 ~ 70 °C Operating temperature : 0 ~ 45 °C Operating humidity : 5 ~ 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	• Safety : K 60950-1 : 2011 - EMI and susceptibility (Class B) KN 301 489-1 / KN 301 489-17 (Korea) • Radio approvals : 무선선풃규칙 (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	• AP type WDS-A312CI / KOR • Mounting kit WDS-A300WK / KOR : Wall mounting WDS-A300CK / KOR : Ceiling mounting