

WEA412i



Radio Specifications	802.11a/b/g/n/ac Dual concurrent radio 2 x 2 MIMO, 2 spatial streams PHY data rates up to 866 Mbps Dynamic frequency selection (DFS) 802.11n high throughput (HT20/40) 802.11ac high throughput (HT20/40/80)						
Operation Mode	Controlled Mode, Stand-alone 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 ~ 300 Mbps) 802.11ac : MCS 0 to MCS 9 (6.5 Mbps ~ 866 Mbps)						
Frequency Band	802.11b/g/n : 2.412 GHz ~ 2.472 GHz 13 CH 802.11a/n/ac : 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	Rate	2.4 GHz	5 GHz				
		HT20	HT20	HT40	VHT20	VHT40	VHT80
	MCS 0	-91	-93	-90			
	MCS 7	-71	-73	-70			
	MCS 8	-88	-90	-87			
	MCS 15	-68	-70	-67			
	MCS 0/NSS1				-93	-90	-86
	MCS 7/NSS1				-73	-70	-67
	MCS 8/NSS1				-68	-66	-63
	MCS 9/NSS1				NA	-64	-61
	MCS 0/NSS2				-90	-87	-83
	MCS 7/NSS2				-70	-67	-64
	MCS 8/NSS2				-65	-63	-60
	MCS 9/NSS2				NA	-61	-58
	802.11 b						
	1 Mbps	-96					
11 Mbps	-88						
802.11 a/g							
6 Mbps	-93	-93					
54 Mbps	-74	-75					

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Integrated Antenna	2.4 GHz : 3.0 dBi 5 GHz : 5.5 dBi
Antenna Type	Internal Type
Interfaces	2 * 10/100/1000BASE-T (PoE 1 port) 1 * Console interface
Dimensions	Diameter x Height : 205 x 45 (mm)
Weight	790g
Environmental	Storage temperature : -25°C ~ +70°C Operating temperature : 0°C ~ +45°C Operating humidity : 0~90% (noncondensing)
Input Power Requirements	IEEE 802.3af PoE : 44 to 57 VDC
Powering Options	Local power supply : 48V/0.75A
Power Draw	11.5W
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) 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 : <ul style="list-style-type: none"> Wi-Fi Multimedia (WMM) WMM-PS
Part Number	<ul style="list-style-type: none"> • AP type WDS-A412I / KOR, / XAR, / EUS • Mounting kit WDS-300CK / KOR, / XAR, / EUS : Ceiling mounting kit