

# Access Point

## WEA504i



Radio Specifications	802.11a/b/g/n/ac Dual concurrent radio 4 x 4 MIMO, 4 spatial streams, 4 Multiuser MIMO PHY data rates up to 1.7 Gbps (5GHz) 802.11n high throughput (HT20/40) 802.11ac very high throughput (VHT20/40/80) 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 31 (6.5 Mbps to 600 Mbps) 802.11ac: MCS 0 to MCS 9 (6.5 Mbps to 1.7 Gbps)						
Frequency	802.11b/g/n: 2.412 GHz to 2.472 GHz 13 CH 802.11a/n/ac: 5.180 GHz to 5.825 GHz 25 CH * Available Channels are compliant with local regulations						
Maximum Transmit Power	26 dBm with 4 streams (20 dBm/Path) * The maximum transmit power will vary by channel and according to individual country regulations						
Receive Sensitivity	Rate	2G			5 G		
		HT20	HT20	HT40	VHT20	VHT40	VHT80
	MCS 0	-94	-93	-90			
	MCS 7	-75	-73	-71			
	MCS 8	-92	-91	-88			
	MCS 15	-72	-71	-68			
	MCS 16	-90	-89	-85			
	MCS 23	-70	-69	-65			
	MCS 24	-87	-87	-83			
	MCS 31	-68	-68	-65			
	MCS0/NSS1				-93	-90	-87
	MCS 7/NSS1				-73	-71	-69
	MCS 8/NSS1				-69	-67	-65
	MCS 9/NSS1				N/A	-65	-63
	MCS 0/NSS2				-91	-88	-85
	MCS 7/NSS2				-71	-68	-67
	MCS 8/NSS2				-67	-66	-64
	MCS 9/NSS2				N/A	-63	-60
	MCS 0/NSS3				-89	-85	-82
	MCS 7/NSS3				-69	-65	-65
	MCS 8/NSS3				-65	-63	-61
	MCS 9/NSS3				-63	-61	-58
	MCS 0/NSS4				-87	-83	-80
MCS 7/NSS4				-68	-65	-62	
MCS 8/NSS4				-64	-61	-58	
MCS 9/NSS4				-62	-59	-56	
				802.11 b			
	1 Mbps	-99					
	11 Mbps	-90					
				802.11 a/g			
	6 Mbps	-95	-94				
	54 Mbps	-77	-76				

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Integrated Antenna	2.4 GHz: 4 dBi 5 GHz: 6 dBi, Intelligent Beam Selectable Antenna (IBSA)
Interfaces	Two 10/100/1000BASE-T Ethernet port (PoE 1 port) One Management console port
Dimensions	Diameter X Height: 205 mm X 45 mm (excluding protrusions)
Weight	860 g (±5%)
Environmental	Storage temperature: -25 °C to +70 °C Operating temperature: 0 °C to +45 °C Operating humidity: 0 to 90 % (noncondensing)
Input Power Requirements	IEEE 802.3at PoE: 50 to 57 VDC
Powering Options	Local power supply: 48 V / 0.75 A
Power Draw	21.0 W
Compliance Standards	<ul style="list-style-type: none"><li>• Safety : UL 60950-1 UL 2043 IEC 60950-1 EN 60950-1 EMI and susceptibility (Class B) FCC Part 15.107 and 15.109 EN 301 489-1/3/17 (Europe) KN 301 489-1/KN 301 489-17 (Korea)</li><li>• Radio approvals : FCC Part 15.247, 15.407 EN 300 328/440-2, EN 301 893(Europe) Radio Equipment Specifications (Korea)</li><li>• Wi-Fi Alliance Certified : IEEE 802.11 a/b/g/n Wi-Fi CERTIFIED™ ac PMF(Protected Management Frames) WMM-PS</li><li>• EAP type (s) : EAP-TLS EAP-TTLS / MSCHAPv2 PEAPv0 / EAP-MSCHAPv2 PEAPv1 / EAP-GTC EAP-SIM EAP-AKA EAP-AKA Prime EAP-FAST</li></ul>
Part Number	WDS-A504I/KOR WDS-A504I/EUS WDS-A504I/XAR

**SAMSUNG**