

Samsung WEA463e Mesh Outdoor Access Point

Product Specifications

Table1. Product Specifications for Samsung WEA463e

Item	Specification
Radio Specification	IEEE 802.11a/b/g/n/ac Dual concurrent radio 3×3 MIMO, 3 spatial streams PHY data rates up to 1.3Gbps Dynamic frequency selection(DFS) IEEE 802.11n high throughput (HT20/40) IEEE 802.11ac very high throughput (VHT20/40/80)
Operation Mode	Controlled Mode, Stand-alone Mode, Mesh Mode
Supported Wireless LAN Controllers	WEC8500 Series WEC8050 Series
Data Rates	IEEE 802.11b : 1, 2, 5.5 and 11 Mbps IEEE 802.11a/g : 6, 9, 12, 18, 24, 36, 48, and 54 Mbps IEEE 802.11n : MCS 0 to MCS 23 (6.5Mbps ~ 450 Mbps) IEEE 802.11ac : MCS 0 to MCS 9 (6.5Mbps ~ 1.3 Gbps, NSS 1 to 3)
Frequency Band	IEEE 802.11b/g/n : 2.412GHz ~2.472GHz 13CH IEEE 802.11a/n/ac : 5.180GHz~5.825GHz 24CH *Available Channel is Compliant with local regulatory domain
Maximum Transmit Power	24dBm with 1 stream *The maximum transmit power will vary by channel and according to individual regulation
External Antenna (Sold Separately)	Dual Band: Omni-Directional Antenna 2.4GHz 5dBi / 5GHz 8dBi Single Band: Directional Antenna 2.4GHz 12dBi Single Band: Directional Antenna 5GHz 12dBi
Interfaces	Two 10/100/1000BASE-T Ethernet Autosensing (RJ-45) One Management Console Port(RJ-45)
Indicators	1 LED indicates AP status(booting, provisioning, service, upgrade, fault) 1 LED indicates RSSI level of backhaul frequency
Dimensions (W × L × H)	267 × 184 × 58 (mm)
Weight / Volume	2.8kg / 2.8L
Environmental	Storage Temperature : -40 ~ 70℃ Operating Temperature : -40 ~ 55℃ Operating Humidity: 5 ~ 100% (non condensing)
Environmental Class	IP66 & IP67
Input Power Requirements	IEEE 802.3at PoE: 50 to 57 VDC
Powering Options (Sold Separately)	Local Power Supply: AC/DC power adapter (AC 100 ~ 240V, 1A, 50/60Hz, Output 48V)
Power Draw	< 25.5W
Compliance Standards	• Safety IEC 60950-1 EN 60950-1 UL 60950-1 CAN/CSA-C22.2 No. 60950-1

	• Radio Approvals FCC Part 15.247, 15.407 FCC Part 15.107 and 15.109 RSS-210 ICES-003 EN 300 328, EN 301 893 EN 301 489-1 and -17 KN 301 489-1/KN 301 489-17 (Korea) Radio Equipment Specifications (Korea) EMI and susceptibility (Class B)
Part Numbers	WDS-A463E/KOR WDS-A463E/XAR (US & CANADA) WDS-A463E/EUS (EU)