New 802.11a/b/g/n Access Points WEA303i & WEA303e

Samsung is pleased to release two additional 802.11n access point models, the WEA303i and the WEA303e. These new AP models are compact and powerful with multiple spatial streams 802.11a/b/g/n that delivers high speed data rate of 450 Mbps. WEA303i has built-in internal antennas that meet most of the applications. WEA303e has the external connectors that meet site specific applications.

WEA300 Series Access Points

WEA302i
2x2 MIMO
2 spatial streams

WEA303i
3x3 MIMO
3 spatial streams

WEA303e
3x3 MIMO
3 spatial streams
external antennas

PRODUCT OVERVIEW

Highlights of the new access points WEA303i and WEA303e:

- Controller-based access point. Support both WEC8500 and WEC8050 WLAN controller.
- 802.11 a/b/g/n dual concurrent radio
- 3 x 3 MIMO, 3 spatial streams
- PHY data rates up to 450 Mbps
- Dynamic frequency selection (DFS)
- 802.11n high throughput (HT20/40) and support MCS 0 to MCS23
- Dedicated RF and security monitor module in AP
- WEA303i & WEA303e have 14 built-in internal antennas with 2 dedicated for monitoring and 12 for multiple RF pattern
- WEA303e has 5 external antenna connectors with 2 dedicated for monitoring and 3 for transmit and receiver. (Not supplied by Samsung)

	Samsung		Competitor	
Antenna Type	2×2 MIMO	3×3 MIMO	2×2 MIMO	3×3 MIMO
# of Antennas	8	12	4	6
# of Antennas Pattern	4	8	1	
Feature	RF pattern selection based on WiFi & user status		Fixed pattern	

Access Point Specifications		
Item	**WEA302i**	**WEA303i / WEA303e**
Operation Mode	Controller Based and (Root AP or Repeater AP)	
Supported Wireless LAN Controller	WEC8500 & WEC8050	
Radio Specifications	802.11a/b/g/n (Supporting 2.4 GHz and 5 GHz simultaneously) Dynamic frequency selection (DPS) 802.11n high throughput (HT20/40)	
RF Monitoring	Dedicated RF and security module in AP (WIPS)	
Frequency Band	802.11 b/g/n: 2.412 GHz ~ 2.472 GHz 11 CH 802.11 a/n: 5.180 GHz ~ 5.825 GHz 24 CH Available channel is compliant with local country	
PoE Specification	Supporting -48 V from the PSE is IEEE 802.3af.	
AC/DC Adaptor	12V/2A	
Number of UDP pairs	10 Base-T > 2 pairs / 100 Base-T > 4 pairs	
Transmission media	10 Base-T UTP CAT3, CAT4, CAT5, STP / 100 Base-T UTP CAT5	
Dimensions	6.9" (H) × 6.9" (W) × 1.34" (D)	
Operating Temperature	32 ~ 113° F (0 ~ 45°C)	

Access Point Specifications		
Item	**WEA302i**	**WEA303i / WEA303e**
Antenna	**2 x 2 MIMO**, 2 spatial streams	**3 x 3 MIMO**, 3 spatial streams
Data Rates	802.11a: 6,9,12,18,24,36,48 & 54Mbps 802.11bg: 1, 2, 5.5, 6, 9,11,12,18,24,36 48 and 54Mbps 802.11n: MCS 0 to MCS 15 (6.5 Mbps ~ **300 Mbps**)	801.11a: 6,9,12,18,24,36,48 & 54Mbps 802.11bg: 1, 2, 5.5, 6, 9,11,12,18,24,36 48 and 54Mbps 802.11n: MCS 0 to MCS 15 (6.5 Mbps ~ **450 Mbps**)
Maximum Transmit Power	**20 dBm @ 2 streams (3 ~ 20 dBm)** The maximum transmit power will vary by channel and according to individual country regulations	**23 dBm @ 3 streams (5 ~ 23 dBm)** The maximum transmit power will vary by channel and according to individual country regulations
Weight	302i -1.2 lbs.	303i -1.4 lbs. / 303e -1.45 lbs.
Software Versions	V1.5.9R 2014.02.20	V1.5.9R 2014.02.20

DOCUMENTATION

The following Samsung WLAN technical documents are available on GSBN for download > Communication, WE, Technical Support, Downloads, Technical Manuals

- Quick Install Guide WEA302i303i303e

PRICING & ORDERING

SAMSUNG WLAN Price List (4/25/2014)				
	Name	**Description**	**Code**	**List Price**
AP	WEA302i	2x2 MIMO, 2 streams, dual Radio, internal antenna, Monitoring including Ceiling Mounting kit	WDS-A302CI/XAR	$689.00
	WEA303i	3x3 MIMO, 2 streams, dual Radio, internal antenna, Monitoring including Ceiling Mounting kit	WDS-A303CI/XAR	$1,083.00
	WEA303e	3x3 MIMO, 2 streams, dual Radio, external antenna, Monitoring including Ceiling Mounting kit	WDS-A303CE/XAR	$1,183.00
	Mounting Kit Cable Hole Sheet Guide	Wall Mounting Kit	WDS-300WK/XAR	$45.00
		Ceiling Mounting kit	WDS-300CK/XAR	$23.00
		Cable Hole Sheet Guide for WEA 300 Series AP (5 per set)	WDS-ACHGD5/XAR	$261.00

WARRANTY INFORMATION

Hardware
WLAN access points come with a two (2) year warranty from purchase date.

If there are any questions regarding this notice, please contact your Regional Sales Manager or Samsung Technical Support via email at we.support@samsung.com.