innovate. connect. experience.

WEA504i and WEA514i
802.11ac Wave 2 Access Points

Enabling high speed Wi-Fi for the next generation of mobile devices.

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SAMSUNG
WIRELESS ENTERPRISE

WEA504i and WEA514i
SERIES

Wave 2 access points substantially improve data transmission and throughput while allowing more devices to connect to the network at the same time.

Improving data transmission capacity by 30%, the Samsung Wave 2 AP is a "supercharged" access point designed to handle the massive proliferation of mobile devices on enterprise Wi-Fi networks. It can be used anywhere a lot of people are gathered all trying to connect to the wireless network

– e.g. classrooms, auditoriums, hotel or hospitality conference rooms, stadiums and arenas, concert venues, shopping malls, airports, and more. Or when large amounts of data such as video streaming are frequently transmitted.

30% Improved Data Transmission

Samsung 802.11ac Wave 2 APs support 4x4 multi-user multiple input, multiple output (MU-MIMO) providing concurrent downstream communications to multiple clients at greater speeds of up to 1.7 Gbps and helps client devices get on and off the network faster so more clients can use the network.

Wave 2 access points include Samsung's key enabling technologies such as Voice Aware Traffic Scheduling, Self-Optimizing Networks, and Intelligent Beam Selectable Antennas to help minimize dead zones.

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key features

Data transmission capacity improved by 30%

- Physical rates (PHY) improved compared to the Wave 1 AP (1.3 Gbps increasing to 1.7 Gbps)

- Supporting Up to 2 Spatial Streams with 160Mhz Wide Channels or up to 4 Spatial Streams with 80Mhz Wide Channels

- Four MU-MIMO making it possible to transmit data to four users at a time

- Extended coverage with high power of 20dBm per path

Extended 5GHz Channel Support

- Extends channel availability, resulting in less interference and fewer overlapping channels

Simultaneous data and security

- Exclusive WIPS/ monitoring module

specifications

ENVIRONMENT CLASS
Indoor

STANDARD
802.11 a/b/g/n/ac

ANTENNAS
Internal

PHY RATE
1.7 Gbps

NETWORK I/F
Up to WAN : 2 GE (RJ45)
1 Console (RJ45)

MIMO
4x4 MIMO, 4 Spatial Streams

OPERATION
Controlled Mode, Stand Alone Mode

For detailed product specifications visit the resource center at samsung-wifi.com
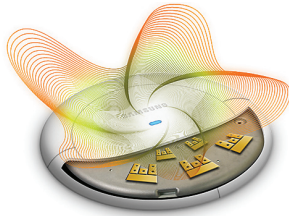
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INTELLIGENT BEAM SELECTABLE ANTENNA (IBSA)™

Expands service coverage and increases receiving sensitivity to assure higher performance.
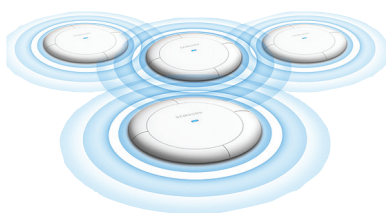
AIRMOVE

Enables LTE style seamless mobility and provide an always connected experience when the user/ device moves from one access point to another.

AIREQUALIZER

Guarantees airtime fairness to every device in a crowded environment.
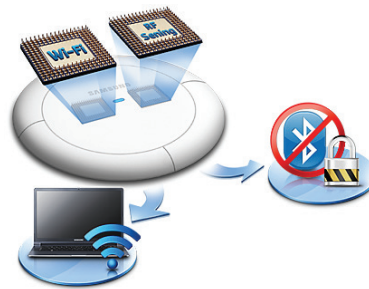
SELF-ORGANIZING NETWORK (SoN)

Self-optimizes Wi-Fi connectivity and cell configurations to adapt to network conditions and manage overburdened networks.

VOICE AWARE TRAFFIC SCHEDULING

Assures optimized routing and QoS of real time communication traffic and assures crystal clear real time voice and video collaboration over Wi-Fi.

WIRELESS INTRUSION PREVENTION

Dedicated security sensors and RF monitoring provides continuous real-time monitoring and intrusion prevention.

Simplified Management

WEA 500 series access points can either operate as standalone devices or can be centrally managed by high performance controllers optimally designed to support both small and mid-scale enterprise deployments (WEC 8050) as well as large scale deployments (WEC 8500).

In addition, a complementary Samsung Wireless Enterprise Manager (WEM) provides operational convenience by enabling system administrators to monitor failure situations anywhere, at any time and quickly resolve them via integrated wired/wireless remote management using their smartphones.