



AVAYA WLAN ACCESS POINT 9112

The Avaya WLAN Access Point 9112 is a high performance Gigabit Wi-Fi wall Access Point/Switch ideal for hotel rooms, dormitories and offices. It is part of the next generation Avaya WLAN 9100 Series wireless portfolio that delivers wired-like performance and predictability. The WLAN 9112 is a dual radio, 2x2 MIMO 802.11ac wall mount wireless AP and 4-Gigabit port-wired switch for high speed Gigabit in-room connectivity.

Overview

This high performance Gigabit Wi-Fi wall access point/switch delivers multi-device wireless and wired connectivity for high bandwidth IP services in hotel rooms, dormitories, offices, and similar locations. The AP is fast to deploy over existing in-wall cabling and simple to manage from anywhere with Avaya's WLAN Orchestration System (on-premise or cloud-based management). This highly flexible AP with integrated Gigabit wired switch is purpose built for clean in-room aesthetics.

At A Glance

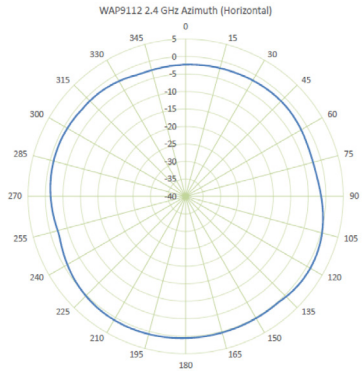
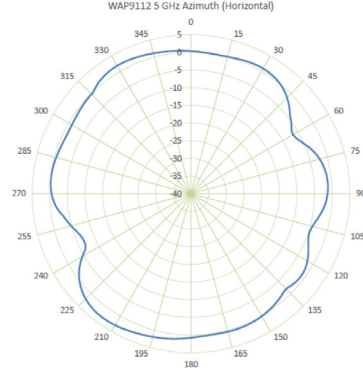
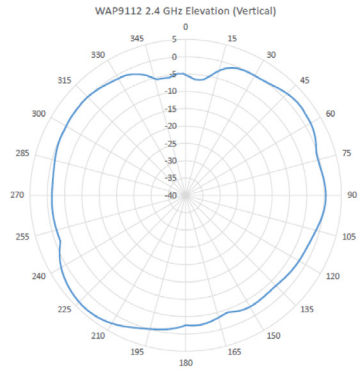
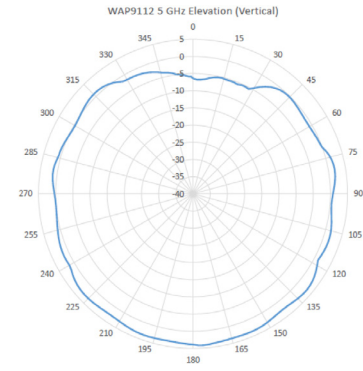
- High performance Gigabit Wi-Fi wall access point with integrated wired Gigabit switch.
- Designed specifically for multi-device wired and wireless in-room connectivity e.g. hotel rooms, hospital rooms, smaller offices, etc.
- Ideal for applications such as streaming video, rich media access, gaming and latency sensitive applications like VoIP.
- Lower cost of deployment using existing in-wall cabling.
- Versatile AP with controllable LEDs and paintable surface for discreet in-room aesthetics.
- On-premise or cloud-based management: WOS-E Enterprise Management solution to cover mixed AP environments; WOS-C Cloud based management for network wide visibility and control from anywhere.

Configuration Specifications

WLAN AP 9112	
Dimension	26.8mm(H) X 86mm (W) X 150mm (L)
Total # of Radios	2
Maximum Wi-Fi Bandwidth	1.1Gbps
Wi-Fi Threat Sensor	Yes
Integrated Antennas	4
Interfaces	1 GbE PoE/PoE+ uplink with RJ-45 or 110 punch down block 4 GbE (including 1 PoE output with PoE+ or DC input) 1 pass through port 48 V DC connector Reset button
Maximum Associated Users	256
Input Power	802.3af when no PoE output port is required 802.3at PoE+ compatible for PoE output port 48V DC (at least 0.65A)
Antenna Gain	>= 2dBi (2.4GHz and 5GHz)

Technical Specifications

FEATURE	SPECIFICATIONS	
RF Management	Dynamic channel configuration	
Wireless Protocols	IEEE 802.11a, 802.11ac, 802.11b, 802.11d, 802.11e, 802.11g, 802.11h, 802.11i, 802.11n	
Wired Protocols	IEEE 802.3 10-BASE-T, IEEE 802.3u 100BASE-TX, 1000BASE-T, IEEE 802.3ab 1000BASE-T IEEE 802.1q - VLAN Tagging IEEE 802.1d - Spanning Tree LAN ports can be configured as Access port or Trunk Port	
RFC Support	RFC 768 UDP RFC 791 IP RFC 792 ICMP RFC 793 TCP RFC 826 ARP	RFC 1122 Requirements for internet hosts - communication layers RFC 1542 BOOTP RFC 2131 DHCP
Security	WPA™ - Enterprise, Personal WPA2™ - Enterprise, Personal EAP Type(s) EAP-TLS EAP-TTLS/MSCHAPv2 PEAPv0/EAP-MSCHAPv2	PEAPv1/EAP-GTC EAP-SIM EAP-AKA EAP-AKA Prime EAP-FAST Protected Management Frames
Encryption Types	Open, WEP, TKIP-MIC: RC4 40, 104 and 128-bit SSL v3.0 and TLS v1.0: RC4 128-bit and RDA 1024 and 2048-bit	
Authentication	IEEE 802.1x RFC 2548 Microsoft vendor-specific RADIUS attributes RFC 2716 PPP EAP-TLS RFC 2865 RADIUS Authentication RFC 2866 RADIUS Accounting RFC 2867 Tunnel Accounting RFC 2869 RADIUS Extensions RFC 3576 Dynamic Authorizations extensions to RADIUS RFC 3579 RADIUS Support for EAP RFC 3748 EAP-PEAP 5216 EAP-TLS	RFC 5281 EAP-TTLS RFC 2284 EAP-GTC RFC 4186 EAP-SIM RFC 4187 EAP-AKA RFC 3748 Leap Pass through RFC 3748 Extensible Authentication Protocol Web Page Authentication - WPR, Landing Page, Redirect

FEATURE	SPECIFICATIONS	
Regulatory Compliance	UL 60950-1, CAN/CSA – C22.2 No. 60950-1, IEC 60950-1, EN 60950-1 FCC Part 15, Subpart B, ICES 003, EN 55022/24 Class B FCC part 15C, FCC Part 15E, RSS-210	EN 300 328, EN 301 893 EN 301 489-1/17 R & TTE Directive 1999/5/EC EN 62311
Environmental Specifications	Operating Temperature: 0 degree C to + 45 degree C (32 degree F to 113 degree F) Operating Humidity: 5% to 95% non-condensing	
Channel Support 2.4GHz (Channel selections are based upon country code selections)	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	
Channel Support 5GHz* (Channel selections are based upon country code selections)	UNII-1 – Non DFS Channels 36 40 44 48 UNII-2A* – DFS Channels 52 56 60 64	UNII-2C* – DFS Channels 100 104 108 112 116 120 124 128 132 136 140 UNII-3 – Non DFS Channels 149 153 157 161 165
Management Interfaces	WLAN Orchestration System (WOS), Command Line Interface (CLI) (SSH) for troubleshooting	
Management	RFC 1350 TFTP RFC 2030 Simple Network Time Protocol SNTP	Integration with Splunk for accurate search and analysis of intra-organizational IT events (integration requires adding a syslog server)
Gain	2.4 Gbps: 3.75 dBi	5 Gbps: 5.00 dBi
Maximum Transmit Power	2.4 Gbps: 17 dBm	5 Gbps: 17 dBm
Antenna Patterns	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%; text-align: center;"> <p>2.4 Gbps, Horizontal</p>  </div> <div style="width: 50%; text-align: center;"> <p>5 Gbps, Horizontal</p>  </div> <div style="width: 50%; text-align: center;"> <p>2.4 Gbps, Vertical</p>  </div> <div style="width: 50%; text-align: center;"> <p>5 Gbps, Vertical</p>  </div> </div>	

About Avaya


Avaya is a leading, global provider of customer and team engagement solutions and services available in a variety of flexible on-premise and cloud deployment options. Avaya's fabric-based networking solutions help simplify and accelerate the deployment of business critical applications and services. For more information, please visit www.avaya.com.

RECEIVE SENSITIVITY		
RATE	2.4GHZ RX Sensitivity (DBM)	5.0GHZ RX Sensitivity (DBM)
Min. Receive Sensitivity (per chain) +-2dB		
6Mbps	-95	-
9Mbps	-87	-
12Mbps	-91	-
18Mbps	-74	-
24Mbps	-	-90
36Mbps	-	-72
48Mbps	-91	-90
54Mbps	-70	-70

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