# AVAYA WIRELESS LAN 9114

## Cost effective 802.11ac Access Point

The Avaya WLAN Access Point 9114 is a cost effective, indoor 802.11ac Access Point ideal for small and medium size enterprises. It is part of the next generation Avaya WLAN 9100 Series wireless portfolio that delivers wired-like performance and predictability. The WLAN 9114 is a dual radio, 2x2 MIMO, 802.11ac wireless AP delivering high performance gigabit Wi-Fi.

## Overview

This cost effective, indoor 2x2 MIMO, 802.11ac access point delivers high performance gigabit Wi-Fi to small and medium size enterprises. It offers plug-and-play simplicity with zero-touch configuration so secure Wi-Fi can be set up in minutes. It includes a comprehensive set of tools to manage users, devices, applications, and traffic with complete visibility using a simple and easy-to-use management system.

## At A Glance

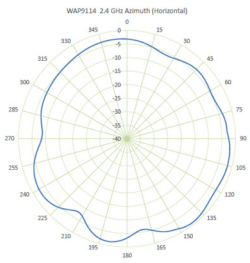
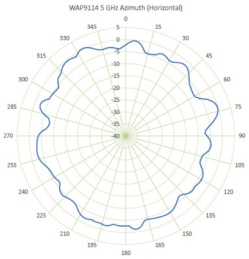
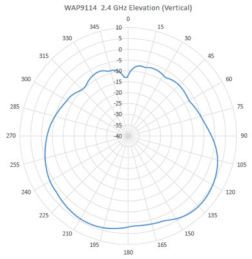
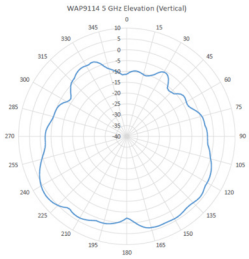
- **Affordable 802.11ac Wi-Fi**: Avaya WLAN 9114 provides high performance at an unbeatable price.
- **Easy to deploy**: Plug-and-play deployment along with zero-touch configuration ensures that even non-technical users can set up secure, reliable W-Fi service in minutes.
- **Simple to Manage**: Avaya WLAN Orchestration System (WOS) simplifies IT operations with intuitive tools that allow administrators to easily manage access, applications, and devices.
- **Optimized User Experience**: The WLAN AP 9114 automatically configure to optimal radio frequency and power level to deliver the best performance for each user.
- **Backward Compatibility**: The WLAN AP 9114 is designed to support operation of all predecessor technologies in order to operate with existing hardware and older devices that pre-date Gigabit capabilities.

## Configuration Specifications

| | WLAN AP 9114 |
|---|---|
| **Chassis Dimensions** | 8” Diameter, 1.82”H |
| **Supported Standards** | 802.11a/b/g/n/ac |
| **Total Number of Radios** | 2 |
| **Radio Type** | 2x2, 867Mbps |
| **MIMO Technology** | SU-MIMO |
| **Maximum Wi-Fi Bandwidth** | 1.1Gbps |
| **Wi-Fi Threat Sensor** | Yes |
| **Maximum Wi-Fi Backhaul** | 867Mbps |
| **Maximum Associated Devices** | 254 |
| **Wired Uplinks** | 1GbE |
| **Maximum Power Consumption** | 12.5W (PoE) |
| **Weight** | 2lbs |

## 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<br>IEEE 802.1q – VLAN Tagging<br>IEEE 802.1d – Spanning Tree | |
| **RFC Support** | RFC 768 UDP<br>RFC 791 IP<br>RFC 792 ICMP<br>RFC 793 TCP<br>RFC 826 ARP | RFC 1122 Requirements for internet hosts – communication layers<br>RFC 1542 BOOTP<br>RFC 2131 DHCP |
| **Security** | WPA™ – Enterprise, Personal<br>WPA2™ – Enterprise, Personal<br>EAP Type(s)<br>EAP-TLS<br>EAP-TTLS/MSCHAPv2<br>PEAPv0/EAP-MSCHAPv2<br>PEAPv1/EAP-GTC<br>EAP-SIM<br>EAP-AKA<br>EAP-AKA Prime<br>EAP-FAST<br>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<br>RFC 2548 Microsoft vendor-specific RADIUS attributes<br>RFC 2716 PPP EAP-TLS<br>RFC 2865 RADIUS Authentication<br>RFC 2866 RADIUS Accounting<br>RFC 2867 Tunnel Accounting<br>RFC 2869 RADIUS Extensions<br>RFC 3576 Dynamic Authorizations extensions to RADIUS<br>RFC 3579 RADIUS Support for EAP<br>RFC 3748 EAP-PEAP<br>5216 EAP-TLS | RFC 5281 EAP-TTLS<br>RFC 2284 EAP-GTC<br>RFC 4186 EAP-SIM<br>RFC 4187 EAP-AKA<br>RFC 3748 Leap Pass through<br>RFC 3748 Extensible Authentication Protocol Web Page Authentication<br>- WPR, Landing Page, Redirect |

| FEATURE | SPECIFICATIONS | |
|---|---|---|
| **Regulatory Compliance** | **SAFETY**: Europe, US, Canada<br>CE Mark<br>IEC 60950-1<br>EN 60950-1<br>UL 60950-1<br>CAN/CSA C22.2 No. 60950-1<br><br>**Europe**: EMC, Immunity & RF<br>EN 55022, EN55024 Class B<br>EN 300 328 V1.9.1, EN 301 893 V1.8.1<br>EN 301 489-1 V1.9.2, EN 301 489-17 V2.2.1,<br>EN 50385, EN 62311 | **US**: EMC & RF<br>FCC Part 15 Subpart B, Class B<br>47 CFR FCC Part 15 Subpart C, 15.247<br>47 CFR FCC Part 15 Subpart E, 15.407<br>47 CFR FCC Part 2 Subpart J, section 2.1091<br><br>**Canada**: EMC & RF<br>ICES-003 Issue 5, Class B<br>IC RSS-247 Issue 1 & RSS-Gen Issue 4 - 2.4 GHz<br>IC RSS-247 Issue 1 & RSS-Gen Issue 4 - 5 GHz<br>RSS-102 Issue 5 |
| **Environmental Specifications** | Operating Temperature: 0 degree C to + 45 degree C (32 degree F to 113 degree F)<br>Operating Humidity: 5% to 95% non-condensing | |
| **Channel Support 2.4GHz**<br>**(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***<br>**(Channel selections are based upon country code selections)** | UNII–1 – Non DFS Channels<br>36 40 44 48<br>UNII–2A* – DFS Channels<br>52 56 60 64 | UNII–2C* – DFS Channels<br>100 104 108 112 116 120 124 128 132<br>136 140<br>UNII-3 – Non DFS Channels<br>149 153 157 161 165 |
| **Management Interfaces** | WLAN Orchestration System (WOS), Command Line Interface (CLI) (SSH) for troubleshooting | |
| **Management** | RFC 1350 TFTP<br>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: 18 dBm | 5 Gbps:  17 dBm |
| **Antenna Patterns** | 2.4 Gbps, Horizontal<br>  | 5 Gbps, Horizontal<br>  |
| | 2.4 Gbps, Vertical<br>  | 5 Gbps, Vertical<br>  |

## 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.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