



AVAYA WLAN PLENUM RATED ACCESS POINT 9132

Designed for use with external antennas

The WLAN Plenum Rated Access Point (WAE 9132) is a high performance 802.11ac access point, designed for use with external antennas. It is part of the next generation Avaya wireless portfolio that delivers wired-like performance and predictability. It supports application QoS enforcement within the AP to provide a high quality user experience and ensure that business critical applications are not impacted by personal applications. Additionally, Avaya unified access offers automated provisioning of APs and end clients/users while extending Avaya's Fabric intelligence all the way to the APs.

The WLAN Access Point 9132 (WAE9132) is a high performance, plenum rated (UL 2043 compliant), 802.11ac access point, designed for use with external antennas. It comes in a plastic enclosure and with 4 N-Type connectors (two per radio) for connections to external antennas. The product is certified for indoor deployment only. Do not install or use this product outdoors.

It includes two software programmable (2.4GHz and 5GHz) radios with two N-Type connectors each, integrated wireless controller, application-level intelligence, automated provisioning, and cloud management (optional, future) contained in a hardened case. The WAE 9132 is designed to meet requirements where a plenum rated Access Point with external antennas is required.

At A Glance

- Dual radio 802.11ac AP with 1.7Gbps total WiFi bandwidth
- Two software programmable radios enabling dual 5GHz operation
- Flexible coverage options using external antennas
- External N-Type antenna connectors—two per radio
- Integrated controller

Key Benefits

Application Control

Firewall, apply QoS, and manage 1300+ application types under 15 categories using Layer 7 Deep Packet Inspection (DPI) and other contextual application detection techniques.

2.4GHz Optimization

Extended radio power control range enables reduced 2.4GHz cell size coverage to optimize channel reuse in dense scenarios and improve user capacity. Honeypot Mode helps increase available wireless device density through management of spurious association traffic.

5GHz Optimization

With two software programmable radios ran can be configured to run at either 2.4GHz or 5GHz, the WLAN 9132 Outdoor AP eases the transition from 2.4GHz to 5GHz centric networks.

Bonjour Director Support

Extend Apple Bonjour protocols across Layer 3 boundaries for simple setup and configuration of commonly used shared Apple services such as Airplay and Airprint.

Bring Your Own Device

Integration with Avaya Identity Engines allows guests and employees alike to use personal wireless devices while the change to WAE 9132 enforces appropriate access policies.

Automated Provisioning

Avaya's holistic Unified Access solution provides automated identification and provisioning of APs by extending its innovative Fabric technology to the wireless edge.

Configuration Specifications

	WLAN AE 9132
Chassis Size	7.7" x 9.875" x 10.125"
Total Radios	2
Radio Type	Two 867Mbps Software Programmable (2.4GHz or 5GHz)
Maximum Wi-Fi Bandwidth	1.7Gbps
Number of External Antenna Connectors	4 N-type
Max Wi-Fi Backhaul	867Mbps
Gigabit Ethernet Uplink Ports	2-1GbE
Maximum Associated Users	390
Radio Interface	PCI
Maximum Power Consumption (absolute max when running both radios at continuous transmit)	25.5W (PoE+)

Technical Specifications

FEATURE	SPECIFICATIONS	
CPU	OCTEON® III CN70XX Quad-Core Embedded Processors	
Installed Memory	1GB RAM	
RF Management	In-band per radio Spectrum Analysis Dynamic channel configuration Dynamic cell size configuration Wired and wireless packet captures (including 802.11 headers) Radio assurance for radio self test and healing RF monitor 2.4 & 5.0GHz Honeypot Control - Increase available 2.4 and 5GHz wireless device density through management of spurious 2.4 & 5.0GHz association traffic Ultra Low Power Mode - Maximize wireless channel re-use and increase wireless device density through tight power controls	
Wireless Protocols	IEEE 802.11a, 802.11b, 802.11d, 802.11e, 802.11g, 802.11h, 802.11i, 802.11j, 802.11k, 802.11n, 802.11ac	
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 802.3ad - Link Aggregation IEEE 802.1D - Spanning Tree IEEE 802.1p - Layer 2 Traffic Prioritization IPv6 Control - Increase wireless device density through control of unnecessary IPv6 traffic on IPv4-only networks	
RFC Support	RFC 768 UDP RFC 791 IP RFC 2460 IPV6 (Bridging only) 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	

WLAN 9132 Plenum Rated Access Point

FEATURE	SPECIFICATIONS	
Authentication	802.1X Extensible Authentication Protocol 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 RFC 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 <ul style="list-style-type: none"> • WPR, Landing Page, Redirect • Support for Internal WPR, Landing Page and Authentication • Support for External WPR, Landing Page and Authentication
Regulatory Compliance (Draft - Subject to change)	CE Mark Safety: UL 60950-1:2003 EN 60950:2000 EMI and susceptibility (Class A)	U.S.: FCC Part 15.107 and 15.109 Canada: ICES-003 Europe: EN 55022, EN 55024 EN 301 893 V1.6.1
Physical Specifications	Dimensions (WxDxH): 7.7" x 9.875" x 10.125"	Weight: 6.0 lbs
Environmental Specifications	Operating Temperature: 0-40C, 0-90% humidity, non-condensing, altitude 0-2000m Non-Operating Temperature: 0-60C, 0-95% humidity, non-condensing	
Channel Support 2.4GHz (Exact channels available will be based on country code selected)	1 2 3 4 5 6 7 8 9 10 11 12 13 14	
Channel Support 5GHz (Exact channels available will be based on country code selected)	UNII-1 - Non-DFS channels* 36 40 44 48 UNII-2A DFS channels* 52 56 60 64	UNII-2C DFS channels* 100 104 108 112 116 120 124 128 132 136 140 144 UNII-3 Non-DFS channels 149 153 157 161 165 * Subject to Certification
Management Interfaces	Command Line Interface (CLI), Web Interface (HTTP and HTTPS)	Avaya WLAN Orchestration System (WOS)

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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