



Arena controller

Powerful Wi-Fi Cloud Controller

Product Highlights

- Powerful Wi-Fi service gateway
- Hotspots/Hotzones and cellular offloading services
- Up to 5000 AP's and 50,000 users per unit
- Scalable to millions of Wi-Fi users
- Hides Wi-Fi access complexities
- Secured control layer management
- Cost effective and scalable network architecture with centralized control plane and distributed data plane
- Support for wholesale business model with multiple hosted carriers with full security and service isolation
- Support Indoor & Outdoor AP's type

Main Segments

- Corporate/Enterprise
- Mining
- Oil & Gas
- Transportation
- WISP
- Utilities
- Education
- Public Safety
- Hospitality



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Powerful Wi-Fi Cloud Controller

The Arena acts as mediation device between the operator's control core and the Wi-Fi infrastructure, hiding the Wi-Fi access-specific complexities from operator's core network.

Overview

The Arena is a focal point for controlling the Wi-Fi cloud, complementing Alvarion's carrier-grade Wi-Fi solution.

Arena is an essential element for constructing large scale carrier Wi-Fi networks for hotspot/hotzones and cellular offloading services.

Arena performs mission critical functions that include:

RADIUS mediation – maintaining a single RADIUS peer to the operator's AAA, Rogue AP prevention, zero touch provisioning, or SON (Self Organized Network), mobility management and Passpoint™ (Hotspot 2.0) gateway support.

Arena can scale to support up to 5,000 of Alvarion's carrier-grade Wi-Fi AP's with full redundancy.

Arena supports Wholesale business models and virtual network operations reducing CAPEX and OPEX as a single Arena appliance provides segregated services to multiple operators.

Arena comes pre-installed on a telecom grade power server appliance, is rack mountable, and can be set up in high availability configuration for maximum service availability.

Benefits

- Powerful Wi-Fi service gateway
- Hotspots/Hotzones and cellular offloading services
- Up to 5000 AP's and 100,000 users per unit
- Scalable to millions of Wi-Fi users
- Hides Wi-Fi access complexities
- Secured control layer management
- Cost effective and scalable network architecture with centralized control plane and distributed data plane
- High availability
- Support for wholesale business model with multiple hosted carriers with full security and service isolation
- Support Indoor & Outdoor AP's type
- Pre-paid and post-paid services



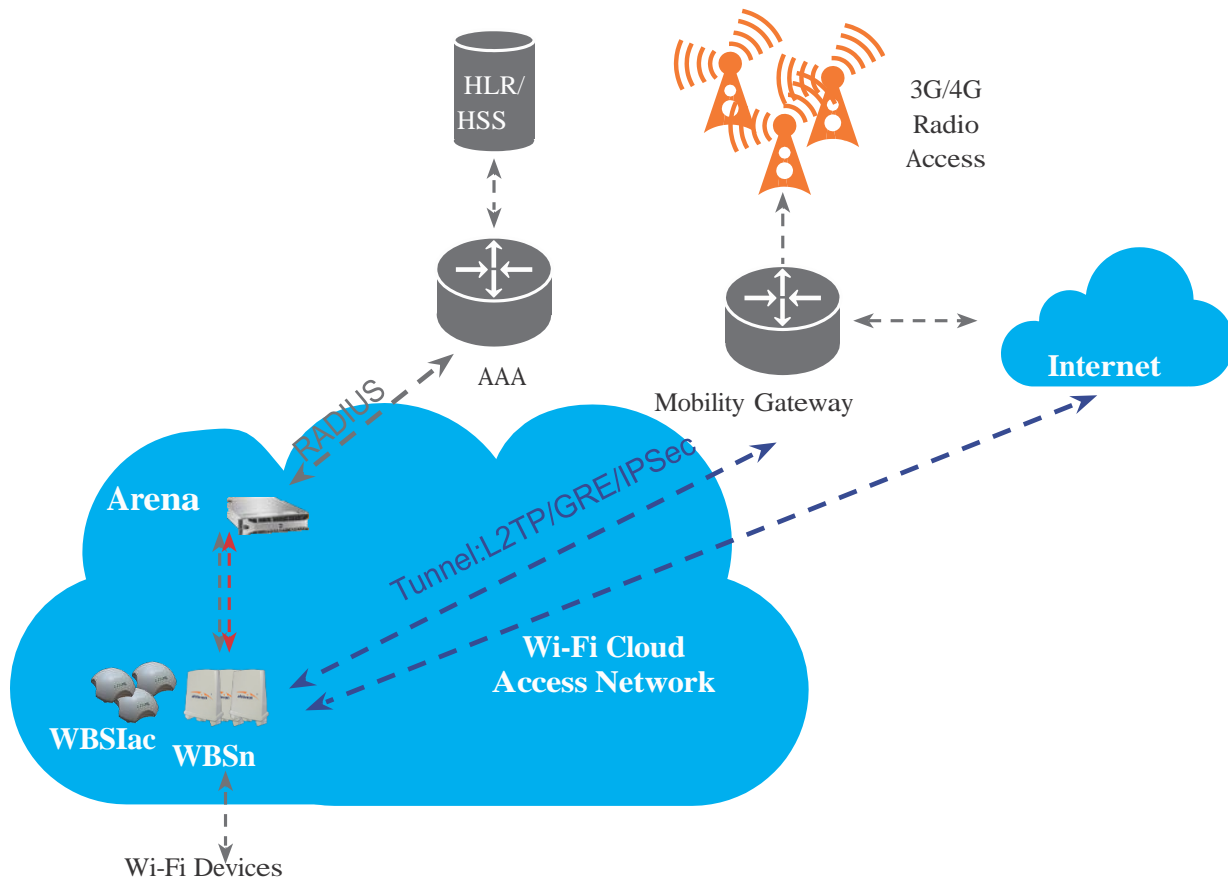
Arena Controller

Specifications

Features

Capacity	Up to 5000 AP's and 100,000 end-users per unit
Scalability	Multiple Arena units can be stacked to provide access to millions of users Centralized control plane with distributed data plane maximizes data throughput by eliminating the need to send traffic to a central location
AAA gateway	<ul style="list-style-type: none"> • Authentication, Authorization and Accounting gateway to operator's RADIUS server • Providing a single peer to the AAA – critical for Wi-Fi network scalability • Pre-paid enforcement and Post-paid accounting
User Authentication	<ul style="list-style-type: none"> • Guest-networking support • Support for secured user authentication using 802.1x EAP methods and captive portal
Zero touch provisioning	Automatic AP units detection, configuration and firmware distribution
Security	Rogue AP prevention and Passpoint™ secured access Dynamic VLAN assignment
Wi-Fi Mobility	UE security key caching for fast Wi-Fi handovers
BW Management & SL A	Users access profiles supporting Service Level Agreement (SL A) setting bandwidth thresholds per user, per direction, per SSID (VAP) and per AP
Passpoint™ gateway	Passpoint™ gateway for back-office integration and 802.11u AP's operation
Management	<ul style="list-style-type: none"> • AP management through SNMP and secured CAPWAP tunnels • Web, and SNMP northbound management
Infrastructure sharing	<ul style="list-style-type: none"> • Statistics and reporting* • Supporting wholesale business models and virtual network operations • Security, QoS and service segregation among carriers • A separate controller management interface per carrier
MESH	Supported
DHCP SERVER	Supported

*contact Alvarion for info & availability





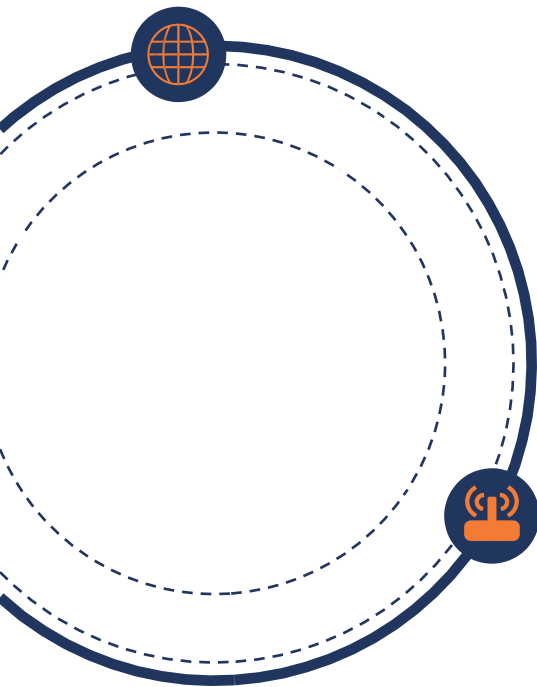
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About Alvarion Technologies

- Alvarion's mission is to provide state-of-the-art wireless solutions that bring individuals, groups, and communities closer together.
- Alvarion provides wireless-based end-to-end solutions including HW infrastructure and SW based applications. It has designed and manufactures a range of Wi-Fi solutions, wireless-based Point-to-Point and Point-to-Multipoint technologies.
- With over 25,000 sites in over 95 countries, Alvarion's wireless portfolio has a proven record of reliability and performance.
- Alvarion's wide network of distributors and integrators enables market presence and brand recognition across the world.



Ordering Information

6040004	Arena -25	AR-25 Wireless Controller, supporting up to 25 APs license. Including license for 10APs
6050004	Arena -100	AR-100 Wireless Controller, supporting up to 100 APs license. Including license for 25APs
6060004	Arena -1000	AR-1000 Wireless Controller, supporting up to 1000 APs license. Including license for 100APs
6070004	Arena -Enterprise	AR- Enterprise Wireless Controller, supporting up to 5000 APs license. Including license for 500APs

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