200 Series
Lower density

210/220 Series
Carpeted Spaces

205H
.11ac
Remote AP

228
Ruggedized
indoor AP

277
Outdoor, directional
antenna

aruba
a Hewlett Packard
Enterprise company

Challenge

Connect Thousands of Communication Devices, Securely

Solution

Aruba delivers enterprise-grade voice, advanced wireless security, QoS and fast roaming

Secure Mobile Applications with superb User Experience

Aruba and Ascom

The combination of the Ascom Wireless Solutions Voice-over-WiFi (VoWiFi) system and Aruba, a Hewlett Packard Enterprise company, secure wireless LAN (WLAN) infrastructure provides a high-end mobility solution for enterprise environments. The solution delivers wireless VoIP, professional messaging and personal alarm functionality, as well as wireless data capabilities, over a single wireless network. The solution has been tested for interoperability with Aruba WLAN infrastructure and designated Aruba Compatible. The wireless telephony, messaging and personal alarm integrate with the Aruba infrastructure to support enterprise-grade voice, advanced wireless security, QoS and fast roaming.

Aruba, the Mobile-First Platform

Secure and reliable mobility is the responsibility of the enterprise network, which must support a wide range of converged clients over wireless, wired, and remote access networks. Laptops and smartphones are capable of simultaneously running voice, data, and now video applications, an operating model that breaks traditional dedicated VLAN and SSID architectures. Delivering quality of service (QoS), bandwidth, and management tools necessary to accommodate these devices on a grand scale – within a campus environment, branch offices, and remote workers – requires a flexible and open system design.

Aruba's unique application and device fingerprinting enable the system to detect the types of applications, and the devices from which they originate. The network can then be dynamically conditioned to deliver QoS - on an application-by-application, device-by-device basis - as needed to ensure highly reliable application delivery. Aruba's integrated policy enforcement firewall isolates applications from one another to essentially create multiple dedicated virtual networks, and then allocates the necessary bandwidth for each user and application.

To ensure reliable application delivery in changing RF environments, Aruba's Adaptive Radio Management (ARM) technology encourages client devices to shift away from the noisy 2.4GHz band to the quieter 5GHz band, adjusts radio power levels to blanket coverage areas, load balance by shifting clients between access points, and even allocates airtime based on the capabilities of each client device. The result is a superb user experience without any user involvement.

These services are complemented by security systems that ensure the integrity of the network. Rogue detection, wireless intrusion and prevention, access control, remote site VPN, content security scanning, end-to-end data encryption, and other services protect the network and users at all times.

Aruba's extensive portfolio of campus, branch/teleworker, and mobile solutions simplify operations and secure access to unified communications applications and services - regardless of the user's device, location, or network. This dramatically improves productivity, lowering capital and operational costs while providing a superior uninterrupted user experience..

Rev up your Wi-Fi

In the past, an an AP could only transmit to one device at a time, and other clients had to wait their turn. Now, 802.11ac Wave 2 MuMimo (Multi-User Mimo) APs can simultaneously talk to multiple compatible clients. Aruba APs, using Client Match, group MU-MIMO capable devices on the proper APs, increasing network capacity. Even the slowest clients get a boost.

Technology Solutions Guides

Thirsting for the technical details? Technology Solutions Guides describe the steps and guidelines necessary to configure Aruba's wireless LAN infrastructure to work interoperable with Ascom's handsets.

Available guides are intended to be used in conjunction with Aruba and Ascom configuration guides. Please contact the respective company's sales engineering or support groups should additional information be required.
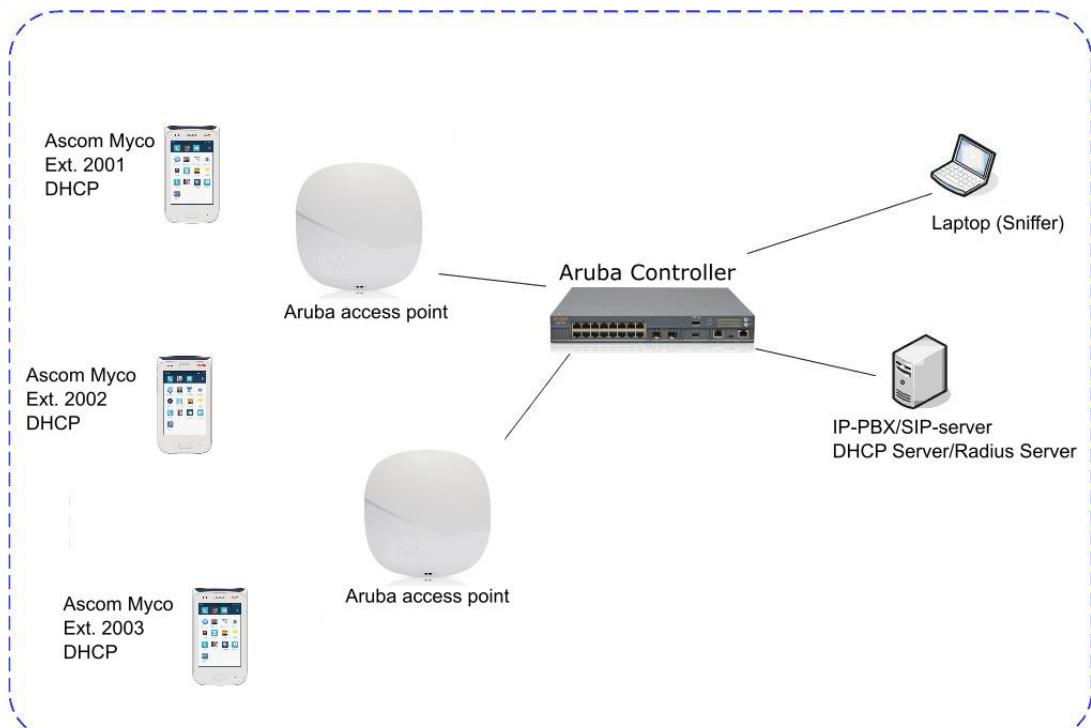
The Aruba Access Points with the Ascom Myco smartphone and i62 handsets

Supported markets

Aruba, a Hewlett Packard Enterprise company, has a major presence in most markets globally. Contact your local HPE or Aruba sales office to learn more about Aruba support for Ascom solutions in your country

Excellent Joint Technical Solution Support

In collaboration with:

Aruba, a Hewlett Packard Enterprise company

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Figure 1: Technology Solutions Guides provide steps and guidelines