

## PARTNER SOLUTION OVERVIEW

# Aruba & Vocera

## Enabling efficient mobile voice communications in healthcare

Instant mobile voice and text communications are critical to the delivery of healthcare services as organizations have shifted to a mobile workforce not tethered to a desk. Organizations require reliable and secure mobile communications and expect a wireless infrastructure that can provide the quality of service (QoS), bandwidth, and management tools needed to deliver secure, toll-quality voice communications.

Vocera Communications provides wireless communication systems enabling instant voice communications among mobile workers for leading healthcare institutions enabling enhanced patient care, productivity, and teamwork.

Aruba and Vocera have partnered to ensure Vocera badge and smartbadge solutions perform optimally on Aruba wireless infrastructure. The Vocera solution consists of wearable Vocera communications badges with integrated Wi-Fi radios and Vocera communication software server. Aruba's wireless 802.11ax (Wi-Fi 6) and 802.11ac (Wi-Fi 5) access points use deep packet inspection and fingerprinting

### WHY ARUBA AND VOCERA?

- High quality staff communication that takes advantage of your existing Aruba network
- Aruba supports fast roaming (<100ms) of Vocera badges
- Aruba wireless infrastructure delivers high QoS with dynamic RF management
- Certified joint interoperable

to identify and prioritize Vocera voice communications and automate QoS tagging to offer toll-quality communications. The smartbadges also have an integrated duress button if staff members need to discretely request help.

### HOW IT WORKS

VoIP call management and speech recognition engine functionality are incorporated in the Vocera communications server software which runs on standard Windows servers. Through the use of optional modules, Vocera can interface with circuit PBX, alarm alert, and nurse call systems. Medical staff can log into the system using voice commands and can call colleagues by name or role (e.g. radiologists or charge nurses) by speaking into the badge.

The solution supports fast roaming of Vocera badges which significantly improves call quality and reduces the occurrence of "dropped calls" due to latency. Aruba's wireless network has unique awareness at the application layer and is able to recognize badges from their use of the Vocera VoIP protocol. This capability allows Aruba to ensure optimal performance through call admission control of the voice badges.

Vocera badges and smartbadges are interoperable with third-party communications devices, offering a flexible situation to suit a variety of deployments. For example, the Vocera solution can also run on Spectralink Versity and Zebra TC52-HC purpose-built mobile computers for healthcare.



Figure 1: Vocera Communication Badge and Smartbadge

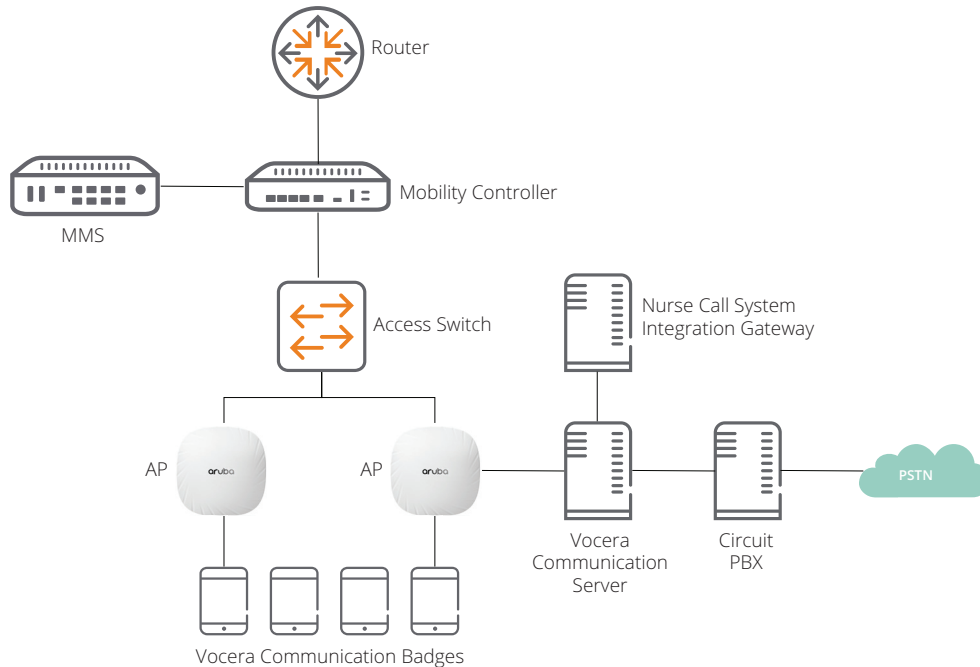


Figure 2: Aruba and Vocera Joint Solution

### CERTIFIED INTEROPERABLE

We've taken the guesswork out of mobile staff voice communications in healthcare environments by certifying the interoperability of Vocera badges and smartbadges with Aruba wireless infrastructure. The joint solution is quick to set up and deliver reliable voice communications.

### SUMMARY

Aruba's wireless infrastructure is the ideal way to support mobile voice communications in healthcare environments of all sizes.

Contact your local sales representative to see how together, Aruba and Vocera deliver reliable, toll-quality voice communications.

For more information on Aruba wireless, please visit: <https://www.arubanetworks.com/products/networking/access-points/>

## DEPEND ON VOCERA SYSTEMS



Vocera Communications provides wireless communication systems enabling instant voice communications among mobile workers for leading healthcare institutions and companies focused on enhanced patient care, productivity, and teamwork. They are currently headquartered in Cupertino, California.

<https://www.vocera.com> Ph: (408) 790-4100



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