

PARTNER SOLUTION OVERVIEW

Aruba & Draeger

Reliable Patient Monitoring For Healthcare IT

In the fast moving world of healthcare IT, it can be hard to manage the growing need for wireless bandwidth. Add the need for wireless medical devices to function with near-perfection and wireless network management can be a difficult task at best. Aruba bandwidth management features allow hospitals to dynamically allocate bandwidth to individual or groups of high-priority devices, such as Draeger's patient monitors. This unprecedented level of wireless client control allows Draeger to deploy its Infinity OneNet architecture using the Aruba WLAN solution.

SECURE, RELIABLE PATIENT MONITORING WITHOUT A DEDICATED NETWORK

Draeger developed the Infinity OneNet solution to enable patient monitoring information to be transmitted over the hospital's existing WLAN. This enables healthcare organizations to greatly reduce the management overhead of the networks, since they only need to support one system, instead of purchasing a dedicated system for patient monitoring alone.

WHY ARUBA & DRAEGER?

- Certified Joint interoperability
- Guaranteed bandwidth for critical patient information
- Leverage existing investments in WLAN for high Return on Investment
- Aruba advanced security features ensure compliance

Infinity OneNet works by guaranteeing bandwidth availability on the WLAN. Infinity OneNet is both a network architecture and a comprehensive suite of professional services that allows the existing network to provide patient monitoring in parallel with commercial and administrative applications. While the solution has been implemented using several different models of "Application Traffic Management Systems," these hardware appliances had several drawbacks. While they did strictly enforce bandwidth restrictions, the devices are designed for WAN optimization with link speeds and shaping limits that

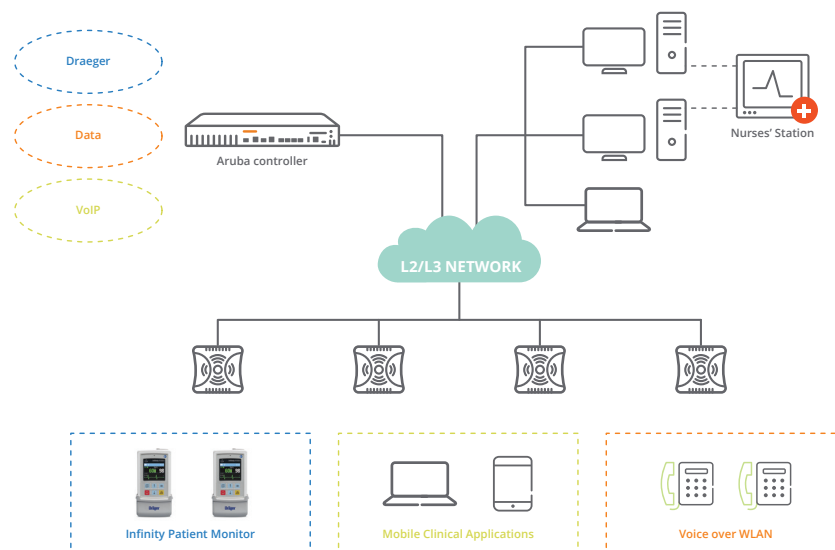


Figure 1: Aruba and Draeger joint solution diagram



are not always suitable for WLANs. Such specialized network infrastructure is also costly. Aruba solves the problem, with the bandwidth management features included on all mobility controllers. Aruba enables flexible bandwidth usage depending on which clients are on each access point, freeing reserved bandwidth when patient monitors are not present. Aruba's user-centric network also ensures that data collected from patient monitors is completely secure throughout the transmission, while built-in QoS capabilities ensure that sensitive real-time data is protected against latency and jitter.

The combination of Draeger's Infinity® OneNet solution and Aruba controllers, access points and traffic management technologies guarantees that the patient monitoring system operates securely, reliably, and cost-effectively.

CERTIFIED INTEROPERABILITY

We've taken the guesswork out of wireless medical networking by certifying the interoperability of Draeger Medical infinity OneNet Architecture with Aruba's wireless infrastructure. Joint deployments go in faster and are easier to maintain.

SUMMARY

Aruba and Draeger Medical have partnered to deliver a solution that is simple to set up, offers required reliability and performance, and securely protects critical clinical data.

To learn more about Aruba's wireless portfolio:

<https://www.arubanetworks.com/products/networking/access-points/>



Figure 2: Infinity M540 and Infinity M300+ monitors

DEPEND ON DRAEGER



Draeger provides medical and safety technology with products that protect, support and save lives. They are currently headquartered in Lubeck, Germany.

https://www.draeger.com/en-us_us/Home 1-800-437-2437



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