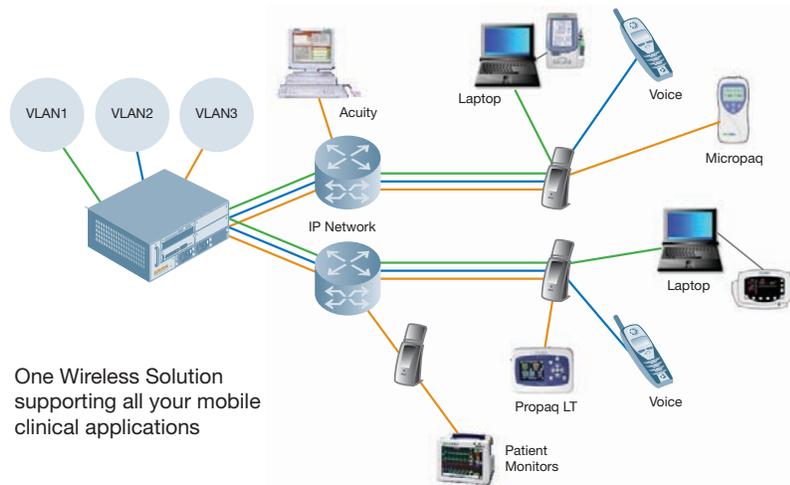# Aruba Networks and Welch Allyn
Wireless Patient Monitoring at the Frontline of Care

Healthcare organizations require access to clinical information wherever and whenever it is needed. Welch Allyn's Acuity patient monitoring solution addresses these needs by delivering critical patient vital signs data from wireless monitors to the Acuity Central Monitoring Station, providing the power to monitor as many as 60 patients per unit from one central location on a simple, easy-to-use interface. Moreover, this information can be accessed by clinicians from any web browser, as needed. Typical monitoring deployments include emergency departments, medical/surgical floors, telemetry and cardiac stepdown units, as well as other areas. Welch Allyn is the only company offering the capability to leverage a hospital's WLAN (802.11a) for patient monitoring in a shared environment. Welch Allyn has designed their own radio card that allows its current installed base of wireless devices to be converted from FHSS to 802.11a with a card exchange. Additional benefits include minimal power consumption and an embedded processor that handles all security certificates at the card.

Why Aruba & Welch Allyn

- Aruba provides a reliable wireless solution for the guaranteed delivery of critical information

- Aruba ensure the right level of QoS requested by the monitoring devices

- Aruba secures the wireless patient data traffic and can also police access to the data based on the user's credentials.

Aruba and Welch Allyn Joint Solution

VLAN1 VLAN2 VLAN3

Acuity

Laptop

Voice

Micropaq

IP Network

Laptop

One Wireless Solution supporting all your mobile clinical applications

Propaq LT

Voice

Patient Monitors

The combination of Aruba's user-centric networks and Welch Allyn patient monitors and central stations can transform any healthcare setting into a center of excellence. Welch Allyn provides a variety of patient monitoring systems, from the Propaq line designed for bedside, transport, or ambulatory use, to the Micropaq monitors designed for patient wear. All these devices are geared to collect patient health information and transmit it to the Acuity health monitoring station using the Wi-Fi network. The user-centric solution from Aruba ensures that the data collected from the various devices

ARUBA
networks
COMPATIBLE

is secured and transmitted reliably to the monitoring station. Most of the patient monitoring data carried across the WLAN network is delay and loss sensitive. The Aruba Wi-Fi infrastructure ensures that the traffic receives the right QoS level and is delivered reliably with low latency and loss. Since the Aruba WLAN solution is an overlay design, minimal or no changes are required to the existing wired infrastructure. Aruba's infrastructure is HIPAA compliant, so vital patient information is secured from the monitors to the Acuity central monitoring station. Acuity enables the monitoring of up to 60 patients, all shown via a customized map, and communication with the monitors can

be set to be bi-directional. Acuity's central monitoring stations are based on open standards, so investments are protected. Significant ROI savings can be realized by the hospital by eliminating the need to install a separate network dedicated only to patient monitoring.

About Aruba

People move. Networks must follow. Aruba securely delivers networks to users, wherever they work or roam. Our unified mobility solutions use Wi-Fi networks, identity-based security, remote access and cellular solutions, and centralized network management services to move in lock-step with users. The cost, convenience, and security benefits of Aruba's unified mobility solutions are fundamentally changing how and where we work. To learn more, visit us at www.arubanetworks.com.

About Welch Allyn

WelchAllyn®

Welch Allyn, Inc. was founded in 1915 and is today a leading manufacturer of innovative medical diagnostic and therapeutic devices, cardiac defibrillators, patient monitoring systems, and miniature precision lamps. Headquartered in Skaneateles Falls, New York, Welch Allyn employs more than 2,300 people and has numerous manufacturing, sales, and distribution facilities located throughout the world. For more information, please call 800-535-6663 or visit www.welchallyn.com.

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