



Welch Allyn Connex[®]

VITAL SIGNS WIRELESS CONNECTIVITY MODULE

The wireless vital signs documentation system designed exclusively for low-acuity areas of hospitals.

Welch Allyn understands the difficulties of quickly documenting vital signs on the hospital floors. Devices can be slow. Manual transcription is error prone and time consuming. And vital signs are often not in the EMR when they're needed.

That's why we've developed our unique wireless module for the Welch Allyn Spot Vital Signs[®] LXi allowing you to capture patient vitals faster, easier and more accurately than ever before. By wirelessly sending patient vitals to your EMR, you save valuable time and keep your patients safer by ensuring the vitals information is accurate and immediately available to other staff members.

Plus, we remain your partner through every step of the process—from helping you pick the optimal workflow from our range of options to helping you optimize the radio to your security standards, and then sending standards-based HL7 messages to your EMR.

WelchAllyn[®]

Advancing Frontline Care[™]



Key Benefits

The Connex wireless connectivity module helps you optimize workflow and improve patient care.

- Improve caregiver communication with timely vital signs
- Accurately identify patients and clinicians with barcode technology
- Reduce documentation time—no need to manually write patient vitals
- Eliminate transcription errors
- Easily document manual measurements, like pain, respiration, height and weight
- Quickly respond to changes in patient condition
- Access patient data anytime, anywhere
- Keep patient information secure using the Wi-Fi® Alliance security recommendations
- Maximize device battery life



Technical Specifications

Supported Standards

- 802.11a, 802.11b, 802.11g, 802.11e (WMM®), 802.11i, 802.11h, 802.11j, 802.11k, 802.11n, 802.11p
- Supports all 24 802.11a channels

Security Solutions

- WPA2™-PSK
- WPA2-Enterprise
- Advanced Encryption Standard (AES)/802.11i
- 802.1x Certificate-based authentication (EAP-TLS, TTLS, PEAP)

Authentication Methods

- RADIUS 802.1x
- Pre-shared Key (PSK)

Advanced Power Management

- Powered by Welch Allyn Spot Vital Signs LXi only when data is being sent
- Transmit Power Control per 802.11h minimizes noise in the 802.11 bands and maximizes battery life
- Dynamic Frequency Selection per 802.11h allows use of all 802.11a channels

Miscellaneous

- Forward Error Correction (FEC) for increased channel reliability
- Orthogonal Frequency Division Multiplexing (OFDM) for improved immunity to multipath propagation effects
- Transmit power: 14 dBm (typical), country dependent
- For use with Welch Allyn Connex Data Management System
- Exceeds IEEE 801.11 specifications for receiver sensitivity and transmitter EVM

For more information, please call 1.800.535.6663 opt 3.

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