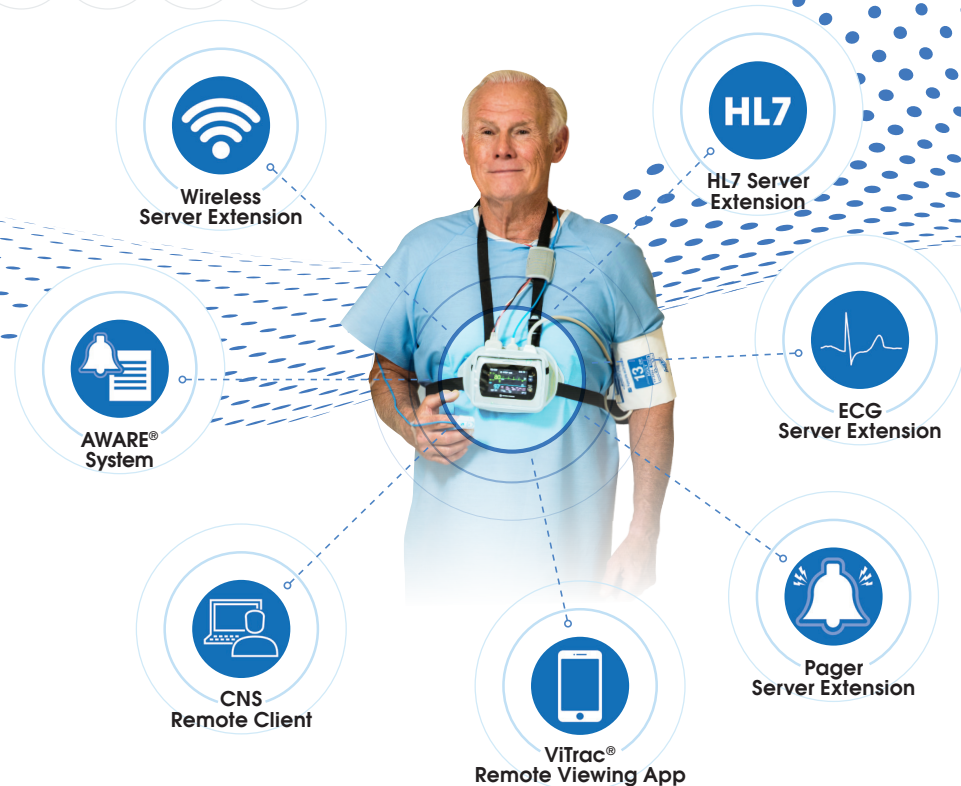




# WIRELESS SERVER EXTENSION



Smart. Safe. Secure.



## Patient Monitoring Reinvented

- Unlocks the power of WiFi in a smart and secure manner to provide safe patient monitoring using the breakthrough data acquisition and management platform of the NK-HiQ™ Wireless Server Extension
- Enables expansion of telemetry monitoring throughout the hospital, which promotes patient ambulation, a critical factor that may decrease the length of stay and improve outcomes<sup>1</sup>
- Offers complete and continuous data collection even during transport, which can be one of the most dangerous times for critically ill patients<sup>2</sup>
- Leverages 802.11 infrastructure, vastly reducing the cost of deployment<sup>3</sup>

## True WiFi for Continuous Monitoring

- Uses shared hospital WiFi or dedicated WiFi networks without sacrificing existing bandwidth
- Supports diverse WiFi requirements, including deployment on a shared SSID
- Protects data during periods of WiFi coverage loss with its seamless backfill function
- Supports the latest wireless security protocols, including 802.1X and WPA2 Enterprise with AES encryption and EAP authentication
- Ensures security through Windows® server security patches validated on a monthly basis
- Provides seamless integration with the hospital's enterprise system

# NK-HiQ™ WIRELESS SERVER EXTENSION

## Complete Monitoring — From Admission to Discharge

With the NK-HiQ Wireless Server Extension, patient data flows safely, seamlessly, and securely from admission to discharge, enabling the right care, at the right time, and in the right setting. The NK-HiQ Wireless Server Extension is compatible with multiple Nihon Kohden devices and systems, including:

- Life Scope® G3 series patient monitors
- Life Scope Transport (BSM-1700) monitor
- Life Scope Central Station

## System Overview

The NK-HiQ Wireless Server Extension is part of the NK-HiQ Enterprise Gateway platform. The NK-HiQ Wireless Server Extension includes all required software to allow for wireless transfer of information between Life Scope monitoring devices and the Central Station.

As the backbone of the Nihon Kohden Patient Monitoring System, the NK-HiQ Enterprise Gateway platform consolidates multiple applications into a single, powerful server — saving time, space, and money.

## References

- <sup>1</sup> Svec, D., Ahuja, N., Evans, K.H., Hom, J., Garg, T., Loftus, P., Shieh, L. (2015) Telemetry Use for LOS and Cost Reduction. *Journal of Hospital Medicine*, 9, 627-632. doi:10.1002/jhm.2411.
- <sup>2</sup> Lahner, D., Nikolic, A., Marhofer, P., Koinig, H., Germann, P., Weinstabl, C., et al. (2007) Incidence of complications in intrahospital transport of critically ill patients - experience in an Austrian university hospital. *Wien Klin Wochenschr*, 119: 412 -6.
- <sup>3</sup> Haglund, D., & Varga, V. (2018). Building a Reliable Wireless Medical Device Network. *Global Clinical Engineering Journal*, (1), 42-49. <https://doi.org/10.31354/globalce.v0i1.26>



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