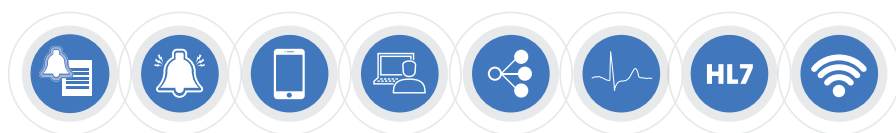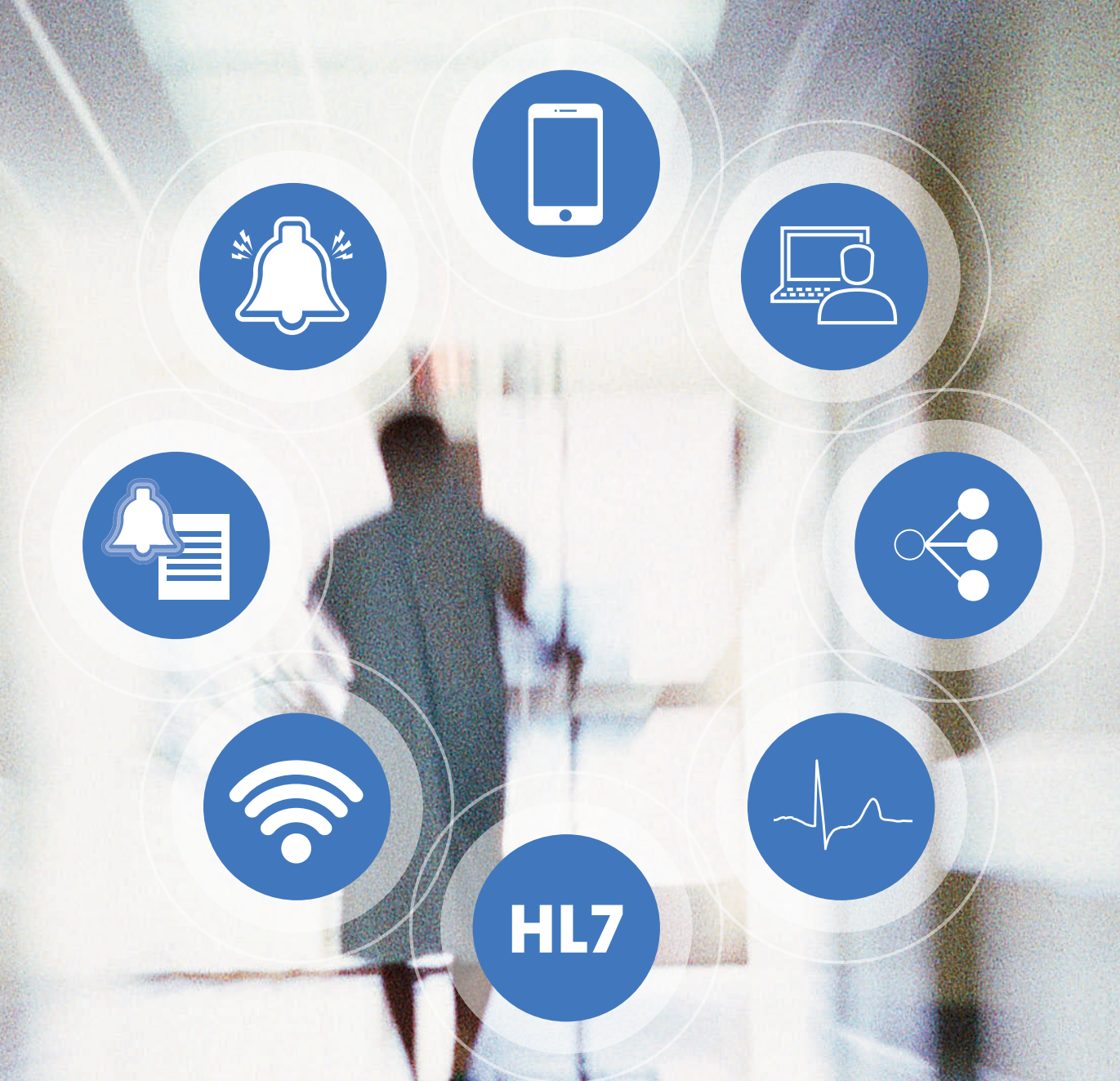# NK-HiQ™

ENTERPRISE GATEWAY

For IT Professionals

The NK-HiQ™ Enterprise Gateway is a next-generation platform that empowers healthcare professionals to deliver uncompromising care by integrating data from multiple Nihon Kohden patient monitoring devices and allowing easy access to information, regardless of location.

As the backbone of the Nihon Kohden Patient Monitoring System, the NK-HiQ Enterprise Gateway consolidates multiple applications into a single powerful physical or virtual server— saving time, space, and money.
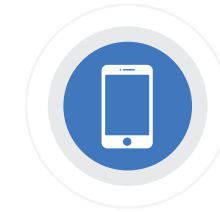
HL7

SMART. SAFE. SECURE.

The NK-HiQ Enterprise Gateway is a client/server-based platform providing a smart, safe, and secure method for delivering patient data. With the ability to support up to 2,000 devices and 300 clients for remote viewing, it features multilevel security controls, restricting access to patient data based on user access privileges and specified groups. Users and access rights are easy to set up, providing administrators the necessary flexibility and robustness to meet their requirements.

The NK-HiQ Enterprise Gateway provides access to multiple gateway extensions and applications, all through one physical or virtual server. Each application or plug-in can be purchased per bed, with an annual subscription or software-as-a-service (SaaS) pricing model. In the dynamic healthcare-IT space, this enables Nihon Kohden to provide our customers with the latest innovations in data integration, management, and viewing to meet their technical and clinical needs.

Connecting to the Nihon Kohden Patient Monitoring Network

- NK-HiQ Enterprise Gateway now has two deployment models available: On a physical server or virtualized on VMware.
- If all Nihon Kohden patient monitoring devices are connected to the same network, the NK-HiQ Enterprise Gateway server can be connected directly to the patient monitoring network and the hospital network
- If the Nihon Kohden patient monitoring devices are sub-networked using routers or a layer-3 switch, the NK-HiQ Enterprise Gateway server must be connected to the backbone of the monitoring network and to the hospital network

GATEWAY APPLICATIONS

ViTrac® Remote Viewing

Designed for secondary viewing, the ViTrac mobile application provides clinicians with secure remote access to Nihon Kohden generated patient data. Patient data can be viewed in near real time on Apple® mobile-iOS and Android™ devices within the hospital or remotely via a secure VPN connection. The mobile application provides a robust and easy-to-use interface, which allows users to see current waveforms, vital signs, stored data, and much more.

NK-HiQ CNS Remote Client

The NK-HiQ CNS Remote Client provides secondary monitoring of up to 16 patients who are centrally monitored on Life Scope® Central Stations. The NK-HiQ CNS Remote Client works in conjunction with the CNS. All functions that can be performed on a CNS for a remotely filled bed can be performed on the NK-HiQ CNS Remote Client, with the additional benefits of being able to send data to EMR, admit, discharge, and transfer. This allows for effective access and review of clinically relevant patient data from multiple locations with diverse hardwired and telemetry-monitoring environments.

AWARE® Alarm Management and Reporting

AWARE alarm management and reporting is a software application that provides meaningful and actionable reports that identify which alarms are the most critical to focus on and manage for individual patients. AWARE assists hospitals in detecting alarm trends and isolating potential issues by tracking alarms and producing insightful reports that aggregate, segment, and analyze alarm data.
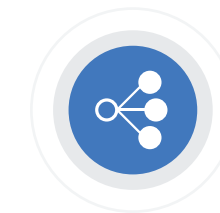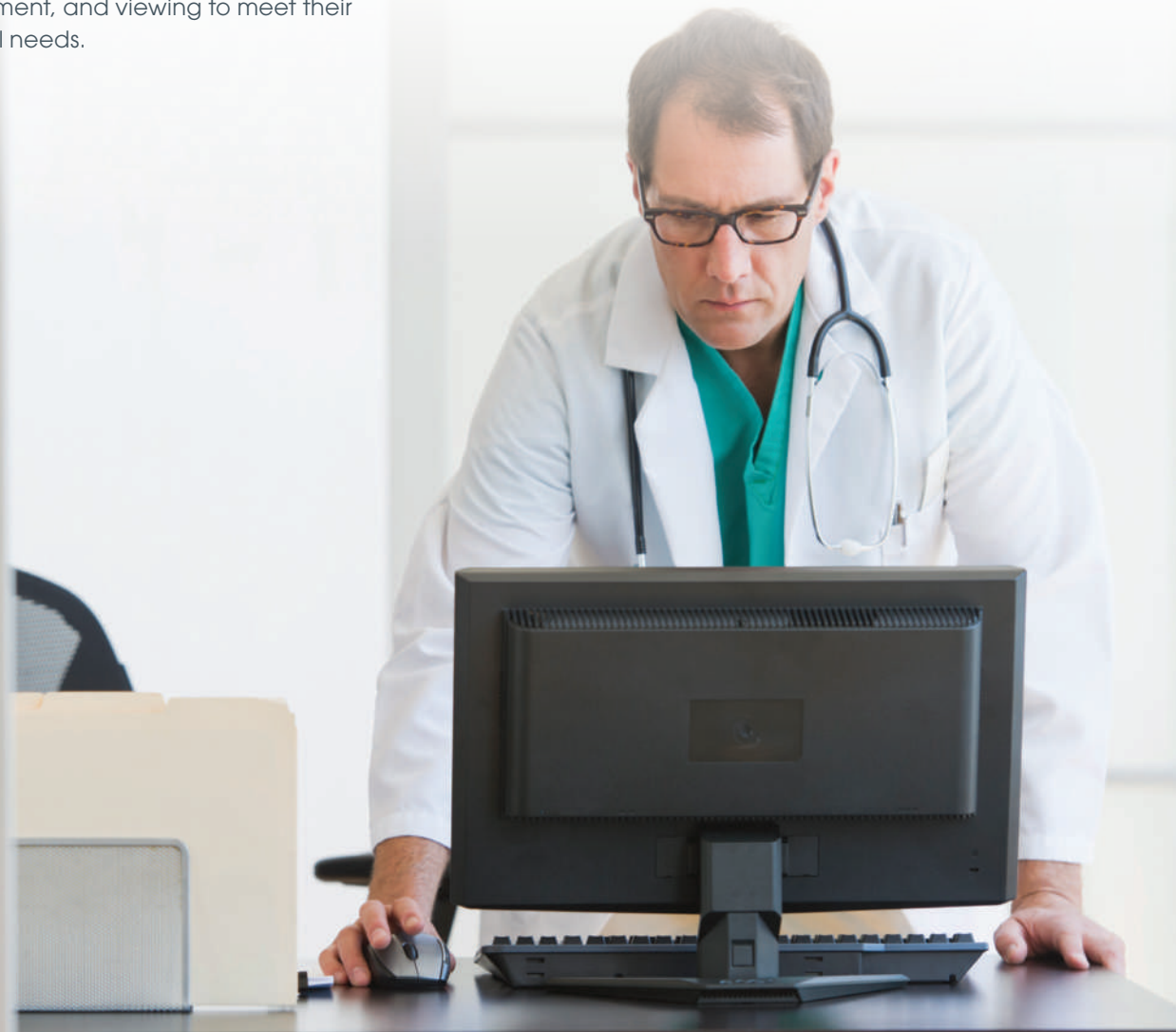
This information is used to identify ways to limit unnecessary and non-actionable alarms, which can help reduce alarm fatigue for staff and decrease the number of alarms that patients experience.

AWARE is designed to aid hospitals in meeting their The Joint Commission national patient safety goals on alarm management.

Waveform Server Extension

Provides consolidation of outbound wave form and vital signs data into a single unified stream from the Nihon Kohden Patient Monitoring System to a third-party receiver, such as an application, database or other service using an interface engine that is flexible and vendor-agnostic, so it can be readily adapted to changing requirements.

NK-HiQ HL7 Server Extension

The NK-HiQ HL7 Server Extension enables a Nihon Kohden Patient Monitoring System to transfer ADT and results messages between the Nihon Kohden patient monitoring system and a hospital information system. Patient admission, discharge, and transfer data are transmitted from the hospital information system to the monitoring system, and vital signs (results) are transmitted from the monitoring system to the hospital information system.

HL7 Essential is an interface software intended to support wireless communication between the Life Scope SVM-7200 Series vital signs monitor and an EMR.

NK-HiQ Wireless Server Extension

The NK-HiQ Wireless Server Extension enables Nihon Kohden WLAN patient monitors to leverage a hospital's WiFi infrastructure investment or operate on a stand-alone Nihon Kohden wireless network. The NK-HiQ Wireless Server Extension adds capabilities that include backfill of up to 15 minutes of data when a device reconnects to the wireless network after losing network connectivity for at least 15 seconds. This can happen when a device moves outside the wireless coverage area or moves into a shielded room.

The NK-HiQ Wireless Server Extension acts as a proxy between the hospital's network and the Nihon Kohden wired network. Wireless devices using the NK-HiQ Wireless Server Extension can be configured with an SSID that is shared with other devices on the customer's wireless network. The NK-HiQ Wireless Server Extension needs an IP address on the hospital network that is accessible by the devices on the wireless network. The IP address does not need to be in the same logical subnet as the wireless devices.
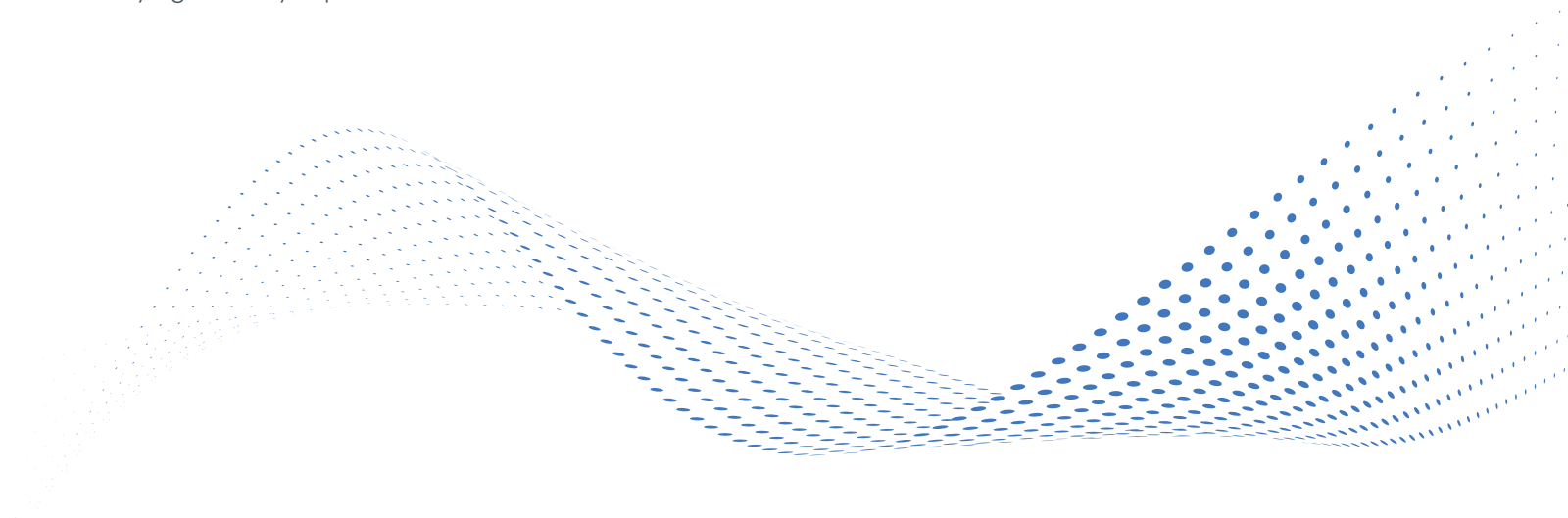
NK-HiQ Pager Server Extension

Designed to improve alarm response and workflow, the NK-HiQ Pager Server Extension enables alarm notification directly to the clinician using portable devices. With a single-point connection to the Nihon Kohden monitoring network, alarm information from all patients is captured and forwarded to a third-party alarm-controller system. The alarm-controller system delivers each alarm event to the appropriate clinician to ensure timely response to alarms. With patient alarms transmitted to the right people at the right time, quality of care and patient satisfaction may significantly improve.

NK-HiQ ECG Server Extension

The NK-HiQ ECG Server Extension receives 12-lead ECG waveform data directly from bedside monitors when a test is complete. The NK-HiQ ECG Server Extension then processes and stores the 12-lead analysis data in a pre-configured Windows® Share location for up to 72 hours, until the data is imported by the ECG Management System. The NK-HiQ ECG Server Extension does not control or alter the functions or parameters of the connected bedside monitors and is not intended to be relied upon when deciding to take immediate clinical action.

**For more information, please contact us at
1-800-325-0283 or visit us.nihonkohden.com**

NK-HiQ™

NIHON KOHDEN

**Exceptional Solutions,
Simply Delivered.™**

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