

Ascom Unite Connect for Stryker iBed® Wireless System

The advanced wireless fall prevention solution.

Integrated Solution Benefits

- Reduce risk of missing critical patient bed alarms by enabling mobile alert notifications.
- Utilize customizable alarm filters to minimize unnecessary alert messages (e.g. 15 second delay for brake off).
- Improve response time to patient bed alarms by automatically redirecting alert message to backup when assigned caregiver is busy or doesn't respond.
- Increase bed protocol compliance awareness to help minimize fall risk exposure.

Ascom's Unite Connect acquires alarms, events, and data from Stryker beds, including the Stryker S3 and InTouch beds with iBed wireless option, comes directly from the Stryker Server Application via a direct digital data interface. Utilizing customizable alarm filters, Unite software then forwards actionable events in near real-time as secondary alert notifications to caregivers' mobile devices. Increased awareness of bed protocol violations via mobile alert messages helps to minimize fall protocol compliance violations and increase awareness of these events.

The Unite Connect for Stryker iBed Wireless System is intended to serve as a parallel, redundant, forwarding mechanism to inform healthcare professionals of particular bed events. This product integration does not alter the behavior of the Stryker bed and associated alarm annunciations, but allows for intelligent rules and decisions to determine the most appropriate notification action and subsequent actions to perform for a given event.

The Solution

The Connect for Stryker iBed Wireless System integration is comprised of the highly reliable Ascom Elise 3 server (or server appliance) and the Stryker iBed Server Application. Integrating the Stryker wireless bed data with the Ascom Unite Connect application and Ascom portable handsets delivers an advanced and customizable alarm notification solution for healthcare professionals focused on minimizing fall risks for their patients.

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Unite Connect for Stryker iBed Wireless System communicates with beds over the hospital's wireless network. Because the beds use a wireless connection, bed alerts can be received even if the bed is not physically connected to the nurse call system.⁵ This integration does not impact or use the physical connection from the bed to the nurse call system although this connection may still be required to manage patient calls.

The Connect for Stryker iBed Wireless System also interfaces with Unite Assign for dynamic staff assignment and with Unite View PC dashboard application to centrally display alerts:

- Supports multiple bed alerts: Bed exit, iBed Awareness.
- Supports falls protocol compliance violations: Bed exit off, side rail down, brake off, and more.

Are Your Patients at Risk?

The implications of patient falls:

- Fall rates nationally are 1.8-8.9 falls per 1,000 patient days².
- Falls resulting in injury cost almost \$25,000 on average³.
- Up to 30% of falls result in injury⁴.
- Patients who fall during a hospital stay average 6–12 days of additional hospital time⁴.

Automatic & Manual Alert Redirection Provides Peace of Mind

Ensuring an alert notification reaches the right caregiver is vital. Individual hospital units can easily customize the built-in alarm management functionality based on their specific needs. Specific alert messages can be directed to an individual caregiver or the entire care team.

Customizable redirection rules ensure caregiver acknowledgement or forwarding to another caregiver if there is no response within a configurable time frame. Customers must have the appropriate Stryker S3 and InTouch beds with iBed Wireless radio, iBed Locator, and iBed Stryker Server.

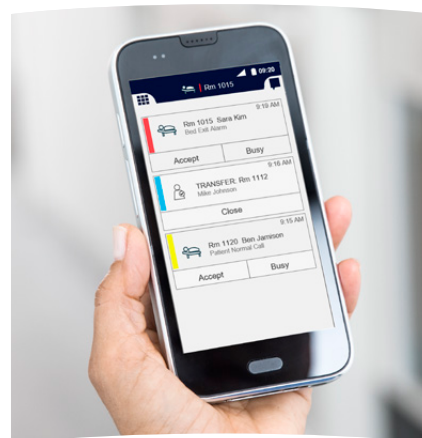
Ascom Mobility with Embedded Unite Software

Ascom handsets with embedded Unite software provide enhanced alert and messaging capabilities with the Stryker bed integration.

- End-to-end message prioritization ensures that the most important message is presented first, e.g. bed exit (urgent).
- Color coded messages readily identify critical alert at a glance, e.g. bed exit (red).
- Distinctive alert tones simply identify alert priority without having to touch the handset, e.g. falls protocol compliance violations generate an audible alert.
- A designated critical alarm can override (Breakthrough feature) a muted handset to provide an audible alert to prevent users from accidentally ignoring critical events.

Unite Assign Provides Centralized Management

Unite Assign provides a single staff assignment application to manage alerts from Stryker and other clinical systems generating alarms and alerts. As well as dispatching alerts to mobile devices, Unite can also provide either a unit central display (Unite View) of patient events or support centralized remote surveillance for Stryker bed events. Using the Unite View client application (requires additional licensing) on Windows corridor displays or desktop clients, caregivers have the ability to see bed alarm notifications.



Centralized remote surveillance using Unite View Dispatch (requires additional licensing) provides a monitoring technician with the ability to review Stryker bed alarm notifications and determine needed escalation. Unite View Dispatch also permits the monitoring technician to send only actionable alarm notifications to an assigned caregiver's mobile device.

For More Information

To learn how an Ascom solution can improve care at your hospital, call 877-71ASCOM or visit www.ascom.us.

¹Spetz PhD, J., Brown PhD, D. S., & Aydin PhD, C. (2015, January). The Economics of Preventing Hospital Falls: Demonstrating ROI Through a Simple Model. *The Journal of Nursing Administration*, 45(1), 50-57.

²Butcher, Lola. "The no-Fall Zone." *Hospitals & Health Networks* 87.6 (2013): 26, 30.1. ProQuest. Web. 3 Feb. 2015.

³ECRI: Enterprise approach key to addressing CMS final rule on hospital-acquired conditions. *Special Advisory*. Nov. 2007.

⁴Bouldin, Erin et al. "Falls among Adult Patients Hospitalized in the United States: Prevalence and Trends." <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3572247/>, accessed January 4, 2019.

⁵This feature is only available when iBed Wireless is integrated with proper third party systems. Per UL1069 hospitals must still provide a wired connection for nurse call systems to send patient call requests.

Ascom Connect for Stryker iBed Wireless System Technical Specifications

Hardware & Server Requirements

Windows® Server or VM to support Unite. See Unite data sheet (TD 93197EN) for hardware and software specification.

Embedded Linux Server (Elise3). See Elise3 data sheet (TD 92678GB) for hardware specification.

Performance

Supports max. 1,500 Stryker wireless beds. Up to 6,000 messages/hour depending on carrier configuration and when activity logging is handled by a separate module. Additional Connect for Stryker Wireless Bed System integrations can be supported to increase system capacity.

PC Client Requirements

Installation/administration: Windows® Internet Explorer® 11 or Google Chrome™

Sun™ Java™ Runtime Environment 7 or 8 (Only Internet Explorer supports Java).

Language

Installation GUI: English. Operational GUI: English standard, translations optional.

Supported Stryker Smart Beds Systems

Compatible with Stryker S3 and InTouch beds with iBed Wireless option.

License Options¹

License for 1 Duty Area for Unite Assign (UAM-LADAAAUW, max. 30).

Compatibility²

Unite v3.5.1+⁴

Ethernet: 10/100baseT (RJ45)

Part Numbers

UAM-LAFLATIN License: Connect for Smart Bed, Stryker Integration.

UAM-LAFLATLB License: Connect for Smart Bed, Stryker Bed.

Regulatory Conformity

USA: FDA Listed Class 1 Medical Device Data System (MDDS).

Supported Display Device Outputs³

Unite View, VoWiFi, IP-DECT display devices from Ascom. Paging, Smart Devices (iOS, Android), Cisco IP Phone Services enabled display devices from Cisco Systems.

OAI enabled display devices from Spectralink.

Systems supporting protocol input interfaces for TAP v1.8, SMTP, SNPP v1-3, WCTP v1r1, v1r2, v1r3. Adaptive Alpha 1.0 (EZ95) text displays from Adaptive Micro Systems.

¹Applicable only when Duty Assignment is licensed.

²Contact your Ascom representative to determine if more recent versions of these products are compatible and have been released.

³Additional products required.

⁴Requires Unite system using latest architecture of Unite software.

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