

GE  
Security  
Sound and Communications

Product Guide

# Telligence™

Voice-over-IP

Patient-Staff Communication System

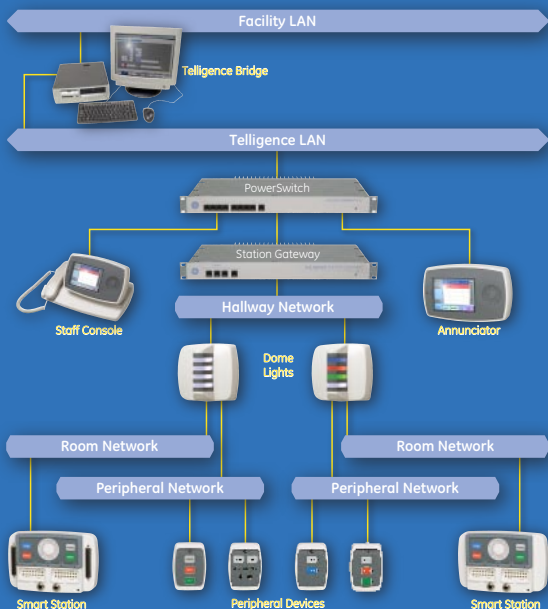


# Tellige

## Voice-over-IP Patient-Staff Communication System

Built to work with  
your existing network...

A robust network with Powered Ethernet resides on industry standard cabling.



# nce™



## Designed to meet the needs of *your* facility...

- ***ColorTouch™ User Interface***  
Patient-staff communications  
at your fingertips.
- ***HearingAid™ Audio***  
For crystal clear voice communication.
- ***Choice™ Programming***  
You control system operation  
– it doesn't control you.
- ***NiteLite™ Station Illumination***  
No more fumbling in the dark.
- ***Infinity™ Dome Lights***  
One light. Infinite possibilities.
- ***Telergy™ Software***  
A powerful software suite that takes  
system usability to a new level.

# ColorTouch™

Patient-staff communications  
at your fingertips...

*A large touchscreen display with intuitive controls constantly shows the time elapsed since calls were made.*

Connect	8601	Code Blue	0:16
Set Reminder	1121	Staff Emerg	0:14
Tone Silence			

MAIN AUDIO REMIND ROOM LIST MORE...

- **5.6" (142 mm) high-resolution backlit screen**  
Bright, high contrast display is easy to read and simple to configure
- **Selectable tones for with each priority call type**  
Highest priority calls are easily identified
- **One-touch call answer**  
Simple operation ensures timely responses
- **RJ-45 connectivity**  
Standard snap-in connectors speed installation and maintenance
- **Color-coded menu screens**  
Concise information in a remarkably small footprint

## *HearingAid™ audio for crystal clear conversation...*

Only Telligence has *HearingAid* technology, which allows staff to adjust talk *and* listen volume levels for each patient conversation. This ensures that conversations are understandable and productive. In addition to manual volume controls, *HearingAid* technology also incorporates automatic noise and echo cancellation, which suppresses non-essential noise to provide crystal clear voice communication with little background noise.

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## ColorTouch™ VoIP Staff Console

Data Sheet 85100-0103



The ColorTouch™ VoIP Staff Console visually displays incoming calls from stations and connected healthcare equipment, and provides a means for the operator to prioritize and respond to selected events. As an intercom device, it provides audible signaling functions and facilitates two-way full-duplex staff/patient and staff/staff communications.

*Adjustable viewing angle*

*Compact desktop design*

*Hands-free speakerphone or push-to-talk*

*Privacy handset*

*HearingAid™ audio features*

HC-CONSOLE ColorTouch™ VoIP Staff Console

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## ColorTouch™ VoIP Annunciator

Data Sheet 85100-0110



The ColorTouch™ VoIP Annunciator offers all the performance-rich features of the Staff Console in a convenient wall-mounted configuration. Ideally suited for hallways and staffrooms, it provides a bright, easy-to-see Color LCD screen for one-touch call answering, audible signaling functions, and two-way full-duplex communications. The annunciator may be set to filter or delay calls by type, so only the most appropriate messages reach their desired locations.

*Full duplex speaker and microphone*

*Hands-free audio*

*Large LCD touchscreen*

*HearingAid™ audio features*

*Call filtering*

HC-ANNUN ColorTouch™ VoIP Annunciator

# Choice™

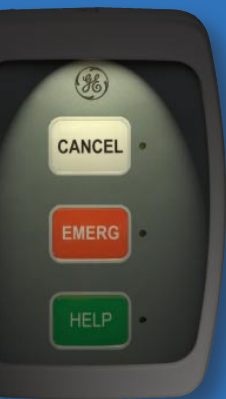
You control system operation.  
It doesn't control you....

Choice™ Programmable Technology offers complete flexibility with programmable buttons that can be as different as the people using them. Patient, staff and peripheral stations can all provide precisely the functions most appropriate for the location, from the nature of calls available in designated areas, to who receives calls made from a particular device. Thanks to an ingenious button programming and labelling solution, every custom function is clearly marked for easy access and operation. Custom labels can even be printed in-house!



And, because many devices are virtually identical, there are fewer parts to stock. This not only simplifies maintenance, but reduces cost as well. If a station needs to be replaced because it is soiled or damaged, a new one can be installed in seconds.

## NiteLite™ – no more fumbling in the dark...



The lights may be out, but your staff and patients won't be fumbling in the dark for the right button to push. All Telligence stations provide *NiteLite™* on-board lighting, which provides easy visibility under low ambient light conditions. The subtle glow is the result of the latest LED technology, which provides a cool, low-energy solution for darkened rooms.

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## Smart Patient and Staff/Duty Stations

Data Sheet 85100-0104



Smart Patient Stations provide separate 18-pin receptacles for the connection of DuraPin™ pillow speakers and two ¼" (0.64 mm) receptacles that can be programmed to accept either an input from auxiliary equipment, or a bed call cord. Smart Staff/Duty Stations (HC-DUTY) have no bed connections or call cord jacks.

HC-PSTN1	Single Smart Patient Station
HC-PSTN2	Dual Smart Patient Station
HC-DUTY	Smart Staff/Duty Station

*HearingAid™  
noise and echo  
cancellation*

*Choice™  
configurable  
buttons*

*NiteLite™  
on-board  
lighting*

*Cleaning  
mode reduces  
accidental calls*

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## Smart Patient Stations with BedConnect™

Data Sheet 85100-0105



Smart Patient Stations with BedConnect™ provide convenient on-board 37-pin connectors for side-rail communications with compatible electronic beds such as those manufactured by Hill-Rom® and Stryker®. These stations have separate 18-pin receptacles for the connection of DuraPin™ pillow speakers and two ¼" (0.64 mm) receptacles that can be configured to accept an input from auxiliary equipment, or a call cord.

HC-PSTN1-BED	Single Smart Patient Station with BedConnect™
HC-PSTN2-BED	Dual Smart Patient Station with BedConnect™

*HearingAid™  
noise and echo  
cancellation*

*Choice™  
configurable  
buttons*

*NiteLite™  
on-board  
lighting*

*Cleaning  
mode reduces  
accidental calls*

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## Peripheral Stations

Data Sheet 85100-0107



*Choice™  
configurable  
buttons*

*NiteLite™  
on-board  
lighting*

*Optional pull  
cord operation*

*Dedicated LED  
indicators*

*Relay models  
available*

*Optional  
two-level  
call priority  
on lavatory  
stations*

Peripheral Stations are available in two types, push/pull stations (HC-PP series) and pushbutton stations (HC-PB). These Peripheral Stations are supervised initiating devices that provide patient room call-for-assistance indication to the patient-staff communications system. When a Peripheral Station is activated, visual indication of the call displays at the dome light associated with the patient room, and an appropriate call indication registers on the ColorTouch™ VoIP Staff Console, as well as any installed ColorTouch™ VoIP Annunciators. An LED also illuminates on the front of the station until the call is canceled.

Models come with field-configurable buttons used for placing patient calls, requesting staff assistance, indicating staff presence, or signaling a critical patient event. There are also models that include a relay for external equipment, or an input for a room smoke detector. Peripheral Stations may also be fitted with optional pull cords, which can be used to operate the devices.

HC-PP3-PRES	3-Button Push/Pull Station, Presence
HC-PB2-CALLIN	2-Button Station, Staff Normal Call w/Smoke Input
HC-PB2-CALLR	2-Button Station, Staff Normal Call w/Relay
HC-PB3-CANCEL	3-Button Station, Remote Cancel
HC-PB2-CODE	2-Button Station, Code Blue
HC-PB2-EMERG	2-Button Station, Staff Emergency
HC-PP2-LAV	2-Button Push/Pull Station, Lavatory

## Auxiliary Input & Call Cord Stations

Data Sheet 85100-0109



Auxiliary Input and Call Cord Stations are addressable initiating devices that provide bedside call-for-assistance indication to the patient-staff communications system. When an Auxiliary Input or Call Cord Station is activated, visual indication of the call displays at the dome light associated with the patient room, and an appropriate call indication registers on the ColorTouch™ VoIP Staff Console, as well as any installed ColorTouch™ VoIP Annunciators. An LED also illuminates on the front of the station until the call is canceled.

Auxiliary Input Stations are typically used for the connection of patient monitor equipment. Each device provides two inputs at dedicated ¼" jacks. Call Cord Stations provide one ¼" jack input to support a single call cord. They include a dedicated CANCEL button for each cord.

*Choice™  
configurable  
buttons*

*NiteLite™  
on-board  
lighting*

*Call cord  
connectors*

*Dedicated LED  
indicators*

*Isolated model  
available*

*Supports up  
to 20 unique  
nameable  
inputs*

HC-AUX2	Dual Auxiliary Input Station
HC-AUX2-ISO	Isolated Dual Auxiliary Input Station
HC-CCSTN	Single Call Cord Station

# Infinity™

One light.

Infinite possibilities.

Infinity™ LED dome lights feature exclusive technology that allows up to four light sections to independently illuminate any of nine different colors. Programmable to meet the needs of any facility, Infinity lights offer endless possibilities.

In addition to light color, each section can be programmed to provide the desired visual indication depending on the urgency of the situation. Available with an integrated buzzer, Infinity lights add the dimension of audible notification.

These bright, easy-to-see lights are software configurable to give at-a-glance visible indication of all common healthcare situations, as well as custom applications that give your staff a heads-up for specific occurrences.

Thanks to their programmability, Infinity lights can even be configured to mimic your existing system, so staff won't need to be retrained on a new lighting scheme.

The use of LED technology means almost infinite life for Infinity lights. And, because all devices are virtually identical, there are fewer parts to stock. This not only simplifies maintenance, but reduces cost as well.

*Endless combinations of nine colors...*



Normal bed call



Emergency



Staff assist



Monitor alarm



Code Blue  
(flashing)

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## Dome & Zone Lights

Data Sheet 85100-0111



Infinity™ Series LED dome lights provide bright, easy-to-see visual annunciation that speeds response time and increases caregiver efficiency. These devices are typically installed in corridors and outside patient rooms to provide staff with visual cues as to the origin of calls placed on the system. The light color and flash rate indicates the type and priority of the call. Models are available with one, two, or four light sections.

Thanks to advanced LED technology, each light section of Infinity Series LED dome lights are software-configurable to illuminate nine colors. This breakthrough capability means that one device model can serve many different purposes. For audible annunciation, a model is also available with an integrated buzzer. This too may be programmed to signal at different rates depending on the nature of the call.

*Nine colors from a single light section*

*Software programmable*

*Configurable sections and color patterns*

*Integrated buzzer available*

*Advanced LED technology*

HC-CL1-RED	LED Dome/Zone Light, 1 Section
HC-CL2	Infinity™ LED Dome/Zone Light, 2 Sections
HC-CL4	Infinity™ LED Dome/Zone Light, 4 Sections
HC-CL4-SUPV	LED Supervision Module w/Buzzer

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## Pillow Speakers & Call Cords

Data Sheet 85100-0108



*Optional  
numeric keypad  
available*

*TV controls  
compatible  
with all major  
brands*

*Compatible  
with Hill-Rom®  
and Stryker®  
beds*

GE Security call cords and DuraPin™ pillow speakers are sturdy, resilient momentary contact devices used to initiate calls from patient stations. Call cords plug into the patient station with a ¼-inch connector. Simple pushbutton operation places a call on the system. DuraPin™ Pillow speakers feature patient-staff communications as well as direct access television control, and room lighting operation.

Consult the data sheet for available models.

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## Bed Receptacle, Single 37-Pin

Data Sheet 85100-0106



*Compatible  
with Hill-Rom®  
and Stryker®  
beds*

The Bed Receptacle-Single 37-Pin connector acts as an interface between compatible GE Security patient-staff communications systems and Hill-Rom® or Stryker® electronic beds. It is specifically used to enable side-rail communications with the patient-staff communications system.

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## PowerSwitch™

Data Sheet 85100-0101



The Telligence PowerSwitch™ is an Ethernet® communication interface and power supply for all IP devices residing on the Telligence™ patient-staff communications network. It interconnects with system components by means of standard network wiring, cabling, and connectors. An AC power source is required.

*Supplies power and interconnection for all IP devices*

*Eight 100 Mps Ethernet switch ports available*

*Standard Cat 5/5e/6 cabling*

*19" Rack mountable*

HC-IPSWITCH8 Telligence PowerSwitch™

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## Station Gateway™

Data Sheet 85100-0100



The Telligence Station Gateway™ facilitates the use of non-IP addressable stations on the Telligence™ IP network. Each gateway supports up to 40 devices, including single and dual patient stations, and staff stations. Device wiring is via industry standard Cat 5/5e/6 cable. An AC power source is required.

*Supports up to 40 devices*

*Standard snap-in connectors*

*19" Rack mountable*

HC-GTWY1 Telligence Station Gateway™

# Telergy™

Simpler, better software  
for busy caregivers.

Telergy gets your people from Point A to Point B in record time because it's simple, intuitive, and puts all the communications and reporting tools they need right at their fingertips. Employing the latest networking and data-base technologies, Telergy connects caregivers with patients — and with each other — like never before.

From its intuitive Application Player interface with consistent cross-the-board look and feel, to its advanced real-time graphical capabilities, Telergy answers the call:

- ✓ **Connect effortlessly** with an all-in-one wireless solution;
- ✓ **Get the big picture** with real-time dynamic graphical floorplans and list-based activity displays;
- ✓ **Be smart and plan efficiently** with powerful reporting and analysis;
- ✓ **Go with the flow** by interfacing with patient admission, discharge, and transfer (ADT) databases;
- ✓ **Stay in the loop** with private but readily accessible white board information.



## Mobility Suite™

Data Sheet 85100-0112



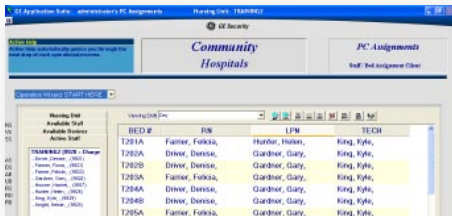
### Mobility Suite: Messaging

The Mobility Suite is a subset of Telergy that provides the core functionality needed for caregivers to be more mobile. This includes wireless phones, pagers, staff assignments, and text messaging.

Mobility Suite comes with the ESM host application, Telligence Service, Pocket Page Bridge, PC Assignments, PC Messaging, and a Versus IR Location Bridge.

## PC Assignments™

Data Sheet 85100-0112



### PC Assignments: Active Staff View

PC Assignments provides an easy way to automatically relay patient calls via text message directly to the appropriate caregiver's pocket pager, wireless telephone, or other wireless device. An intuitive step-by-step wizard quickly establishes relationships for up to three levels of caregiver (e.g.: RN, LPN, AIDE) per patient bed, as well as Teams and Charge Nurse responsibilities. Different types of calls can be easily routed to different caregiver levels, while any unanswered calls automatically roll over to the next staff level.

# ListView™

Data Sheet 85100-0112

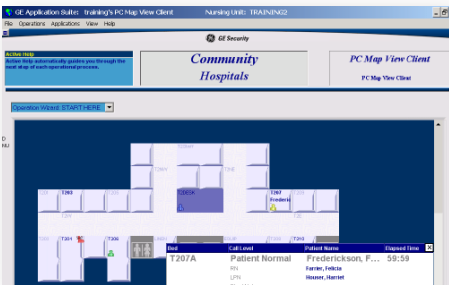


List View: Events Screen

List View displays a prioritized queue of patient-staff communications activity in the unit. List View runs on a PC workstation. The application can track patient calls, staff emergency calls, reminders, and the status of linked equipment. If location tracking is installed, the application also shows the current staff and equipment location information.

# MapView™

Data Sheet 85100-0112

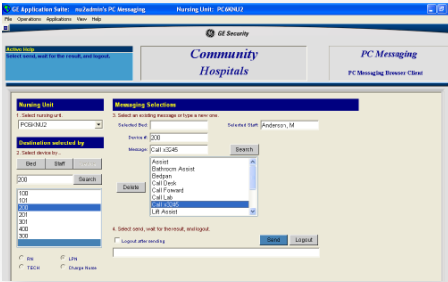


MapView: Call Detail

MapView uses a floor plan to show where activity is occurring in the unit. The application runs on a PC workstation, and can track patient calls, staff emergency calls, reminders, the status of linked equipment, and, where infrared location tracking is installed, the locations of badged personnel and equipment. A convenient touchscreen or mouse user-interface makes screen navigation a snap.

# PC Messaging™

## Data Sheet 85100-0112



PC Messaging: Staff and Text Selection

GE's browser-based PC Messaging application delivers the power of wireless messaging to any PC workstation on the hospital network. With PC Messaging, any PC in the building can send a message to a pager or wireless phone or badge and take advantage of assignments set up in PC Assignments.

# PC Reporting™

## Data Sheet 85100-0112



PC Reporting: Administrative Report

GE's PC Reporting software is built on a robust SQL database that captures virtually every event that occurs within connected patient-staff communications systems. These events include all patient calls, call answers, call reminders, staff arrivals and departures (if using staff presence indicators), intercom conversation starts and stops, and more. This data gives the caregiving team valuable insight into how well patient calls are being answered and how improvements might be made.

# NetBoard™

## Data Sheet 85100-0112

The screenshot shows a software window titled "PC NetBoard" with a menu bar (File, Operations, Applications, View, Help) and a toolbar. The main area displays "Community Hospitals" and "Patient Display Filter". Below this is a table with columns: Room, Last First, Attending, RN, LPN, and NED. The table contains several rows of patient data.

Room	Last First	Attending	RN	LPN	NED
1105A	Jacobson, Jacob	Dr. Stank	Archer, Andy	Cardwell, Cindy	Cook, Carolyn
1105B	Matheson, M. Wilson	Dr. Stank	Archer, Andy	Cardwell, Cindy	Cook, Carolyn
1105K	Richerson, Richard	Dr. Stank	Archer, Andy	Cardwell, Cindy	Cook, Carolyn
1105M	Robson, Rita	Dr. Stank	Archer, Andy	Cardwell, Cindy	Cook, Carolyn
1105N	Felton, Peter	Dr. Stank	Archer, Andy	Cardwell, Cindy	Cook, Carolyn
1105P	Richerson, Richard	Dr. Stank	Archer, Andy	Cardwell, Cindy	Cook, Carolyn
1105Q			Archer, Andy	Cardwell, Cindy	Cook, Carolyn

NetBoard: Patient Information Screen

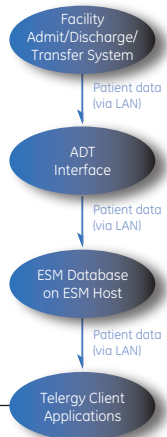
PC NetBoard is a computer-based white board that provides nursing staff with up-to-the-minute status information in a single application window. By default, all information is drawn directly from hospital databases and is updated continuously. For example, patient information and census data is retrieved directly from the hospital's Admit-Discharge-Transfer (ADT) database.

## Admit/Discharge/Transfer (ADT) Interface

### Data Sheet 85100-0112

The ADT Interface is an add-on to the Mobility Suite and/or PC Reporting. It is required when the facility wishes to display patient information from its ADT system in Telergy applications such as PC Reporting, PC NetBoard, PC Assignments, and PC Messaging.

ADT Interface Data Flow



# Combining resources to make the most of your investment.

As one of the world's most diverse and best performing global enterprises, GE offers multiple solutions for your healthcare facility needs...

**GE Security** brings video surveillance, access control, fire alarm, trace detection, and patient-staff communications to healthcare settings.

**GE Industrial** provides energy-efficient lighting, construction supplies and services, electrical switchboards and more.

**GE Energy** offers high-reliability conditioned power systems, emergency power systems, engineering designs, studies and services.

**GE Healthcare** provides advanced medical technologies like medical imaging, clinical information systems, medical diagnostics and patient monitoring systems.

**GE Commercial Finance** offers financial products and services to meet the unique requirements of the healthcare industry, all backed by the strength and AAA balance sheet of General Electric.

**Telligence** is just one more way GE is bringing innovation and value to the healthcare industry. Contact your GE representative for more information on how we can help you meet your goals.

# GE Security Sound and Communications

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imagination at work