

Smart Healthcare Total Solutions IP Based Nurse Call

Reduce workload, optimize management, improve workflow and increase patient satisfaction



Smart Healthcare



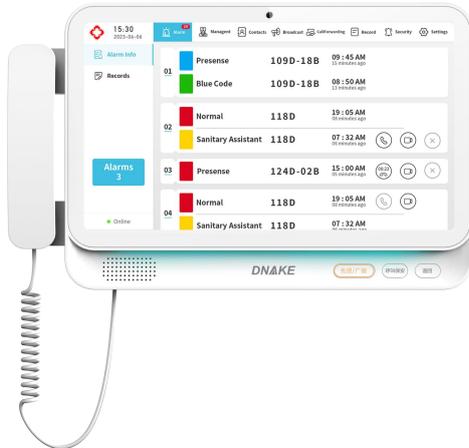
Never cease our pace to innovate

DNAKE, a leading provider of Intercom/Healthcare/Smart Home solutions, specializes in designing and manufacturing innovative and high-quality products and solutions. From its founding in 2005, DNAKE grew from a small business into a large, globally recognized player. DNAKE products are built with state-of-the-art technology, ensuring superior performance and reliability. With a focus on innovation, quality, and customer satisfaction, DNAKE is your trustworthy partner.



Nurse Terminal

797C-HL3



Nurse terminal is used in nurse station to help medical staff to ensure patient safety, improve work efficiency & care quality, and improve hospital management.

As a master of a ward, nurse terminal can receive alarms & calls, ward access control, check patient information and call history, intercom with other devices either hand free or discrete mode using handset, perform daily operations through fully TCP/IP technology.

Video communication can be supported when the call unit is equipped with camera.



Touchscreen



Antibacterial Material



Comply CE



UV Protection



Flame Protection



Easy to Maintain

• IP Architecture

Open and standard API to work with third-party devices and systems.

• User Friendly Interface

Nurse terminal provides user-friendly operating interfaces to support the daily care processes in care facilities.

• Easy Installation & Maintenance

Nurse terminal is placed on desk, which is easy to install and maintain.

• Robust Design

6H glass screen, metal fixed handset and solid construction design.

• Documentation

Information will be documented in local HD and server.

Technical Data

Material	ABS
Ambient Temperature	-10°C ~ +55°C
Storage Temperature	-10°C ~ +60°C
Air humidity	20% ~ 85%
Power Supply	DC 12V/POE
Power Consumption	10W
Standby Power Consumption	2W
Dimension	386*272*33.8mm
Color	White
Panel Size	15.6-inch
Technology	TFT LCD, LED lighting
Resolution	1920x1080
Touch technology	Capacitive, multi, G+G
Glass	6 H
Install	On desk



Nurse Terminal

797C-HL3

System infrastructure

- Processor: Quad-core Cortex-A53, 1.6GHz
- Memory: 2GB RAM, 32GB ROM
- Operating system: Android 10.0
- Video codec: H.264
- Audio codec: G.711/G.729
- Protocol type: TCP/IP, SIP, RTSP
- LAN RJ45 10M/100M adaptively

Features

- 15.6' high-end nurse terminal, stylish design with cutting-edge technology
- Good mechanical properties with high resistance to daily stress (operation, cleaning, disinfection, jolts etc.)
- Suitable for use in care facilities with high standards of hygiene, stability, longevity and durability (continuous operation)
- Intercom handset comply with ergonomics
- Cleaning mode to disinfect and clean
- Support front camera to video calls if allowed by care facilities or laws.
- Easy operation with touch screen
- UV/Impact/Heat/Fire resistant
- Antibacterial material
- Flame protection (fire protection class V0)

Function

Nurse terminal, which is equipped with 15.6-inch LCD touch screen, can be used for nurse station.

Nurse terminal is connected to other call units through TCP/IP. Staff flexibly switch between full-duplex hands-free and discrete intercom and select all functions via the touch terminal.

Call information will be displayed according to the priority of call type and different alert music can be chosen. Voice announcement is supported which can announce "*** bed is calling". Call forwarding and escalation function can be manual triggered or routine set.

Good quality voice communication can be held between nurse terminal and bed unit, other nurse terminal, doctor station and door unit. Video communication is supported when the unit is installed camera, where allowed by law.

Voice communication & video communication can be recorded in the server. It is easy for medical staff to review, check.

Patient information can be displayed when the system is connected to HIS. Medical staff can easily check the patient information and improve work efficiency.

Voice message or video message can be recorded during shift change.

Nurse terminal will perform self inspection all the time, nurse can easily check units online/offline status to avoid medical accident caused by units damage.

Broadcast can be performed by medical staff from nurse terminal to bed units, door terminal and bedside terminal. It is easy to find the whole ward or selected units. MP3 file and broadcast are both supported.

Publicity and education material can be delivered from nurse terminal to bed unit, bedside unit in picture, document, and video, etc and read status can be checked easily. This will release workload of care staff.

Bed Unit

774M-HS27



Bed unit, designed with a distinguished appearance, is installed at patient bed. It is equipped with an indicating light which can be easily noticed even in dark environment and won't disturb patients. It is used for patients to make a call, which can make voice communication with nurse when help is needed. It is connected with a handset via magnetic connector to protect the device.

Light and curtain control are supported by the handset.

Nurse is informed by nurse station, door lights, mobile smartphone and corridor displays simultaneously with sound & light alarms.



Button ONLY



Easy to Maintain



Comply CE



UV Protection



Flame Protection



Antibacterial Material

· Easy Install & Maintain

Installed on the wall, which is easy to install and maintain.

· Robust Design

Solid construction design.

· Documentation

Information will be documented in server.

Technical Data

Model	HS27
Dimension	172*86*12mm
Operating System	Linux
CPU	ARM Cortex-A7
LED Indicator	Support
Speaker	8Ω1W
Material	ABS/Anti-UV/Fire-proof V-0
Protocol	RJ45 10/100M、RS485
Handset	6 pin Magnetic Interface
Power Supply	DC 12V/POE
Working Temperature	-10°C ~ +55°C
Storage Temperature	-10°C ~ +60°C
Humidity	20% ~ 85%

Bed Unit

774M-HS27

Features

- Duplex communication is supported
- Button pressing is supported
- Recognizable appearance: one button only, backlight, marked with an identifiable icon
- Good mechanical properties with high resistance to daily stress (operation, cleaning, disinfection, jolts etc.)
- Suitable for use in care facilities with high standards of hygiene, stability, longevity and durability (continuous operation)
- High-quality voice communication
- Magnetic connector to protect the device
- Impact resistant
- RS485 interface
- RoHS-compliant

Function

Bed unit, designed with a distinguished appearance, is installed at patient bed and is used for patients to make a call, which can make voice communication with nurse when help is needed.

Nurse Call

Patients use bed unit or handset to call nurse for help.

Assistant Call

Caregiver can use bed unit or handset to make an assistant call after the care unit is triggered

Voice Communication

Patient can make a high-quality voice communication with caregiver effectively.

Cleaning Mode

After long pressing the button for 10s, indicator starts blinking and cleaning mode turns on. Cleaning mode turns off automatically after 15s.

Self-inspection

Real-time self-inspection is conducted all the time. When it is unable to work or offline, alarm will be sent to nurse station before noticed by patient & caregiver.

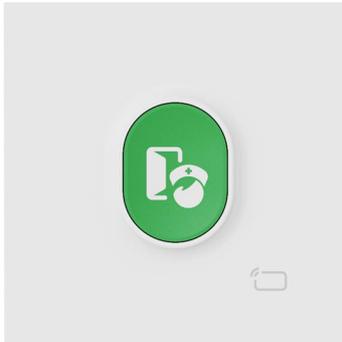
Documentation

Details about trigger time, trigger location, cancel time, cancel location and cancel operator(if IC card is applied) will be recorded.



Care Unit

CAREU770EB-AL7



Care unit, designed with a distinguished appearance, is installed in patient rooms. It is equipped with an indicating light which can be easily noticed even in dark environment and won't disturb patients. It is used for caregiver to show the presence so that other nurses won't be notified any more. After finishing care, caregiver can press the button again to cancel the call. IC card is supported to identify the nurse.



Button/IC Card



Easy to Maintain



Comply CE



UV Protection



Flame Protection



Antibacterial Material

· Easy Installation & Maintenance

Suitable for standard 86/80 wall box.

· Robust Design

Solid construction design.

· Documentation

Operating record will be documented in local HD and server.

Technical Data

Model	AL7
Dimension	86*86*12mm
LED Indicator	Support
Protocol Type	RS485
Card	Comply ISO/IEC 14443 TypeA/B
Material	ABS/Anti-UV/Fire-proof V-0
Power Supply	DC 12V
IP Grade	IP30
Working Temperature	-10°C ~ +55°C
Storage Temperature	-10°C ~ +60°C
Humidity	20% ~ 85%



Pull Cord

CALLU770EB-AL7



Pull cord, designed with a distinguished appearance, is installed in patient rooms. It is equipped with an easily recoverable break point which can avoid device being broken, and an indicating light which can be easily noticed even in dark environment. It is used for patient to call nurse when help is needed.

Nurse is informed by nurse station, door lights, mobility and corridor displays simultaneously with sound & light alarms.



Button/Pull Cord



Easy to Maintain



Comply CE



UV Protection



Flame Protection



Antibacterial Material

· Easy Installation & Maintenance

Suitable for standard 86/80 wall box.

· Robust Design

Solid construction design.

· Documentation

Operation record will be documented in server.

Technical Data

Model	AL7
Dimensions	86*86*12mm
LED Indicator	Support
Protocol Type	RS485
Material	ABS/Anti-UV/Fire-proof V-0
Power Supply	DC 12V
IP Grade	IP30/IP56 (Toilet)
Working Temperature	-10°C ~ +55°C
Storage Temperature	-10°C ~ +60°C
Humidity	20% ~ 85%
Cord Length	Adjustable, 0.5-2m in default

Pull Cord

CALLU770EB-AL7

Features

- Standard 86 size, 86/80 wall box
- Button pressing and cord pulling are both supported
- Recognizable appearance: one button and pull cord with a break point, backlight, marked with an identifiable icon
- Good mechanical properties with high resistance to daily stress (operation, cleaning, disinfection, jolts etc.)
- Suitable for use in care facilities with high standards of hygiene, stability, longevity and durability (continuous operation)
- With an easily recoverable break point to resist hard pull and avoid device broken
- Adjustable length of pull cord
- Impact resistant
- Protocol type: RS485
- RoHS-compliant

Function

Pull Cord, designed with a distinguished appearance, which is installed in patient rooms and is used for patient to call nurse when help is needed.

Nurse Call

Patient uses it to call nurses for help.

Assistant Call

Caregiver can use it to make an assistant call after the care unit is triggered

Cleaning Mode

After long pressing the button for 10s, indicator starts blinking and cleaning mode turns on. Cleaning Mode turns off automatically after 15s.

Self-inspection

Real-time self-inspection is conducted all the time. When it is unable to work or offline, alarm will be sent to nurse station before noticed by patient & caregiver.

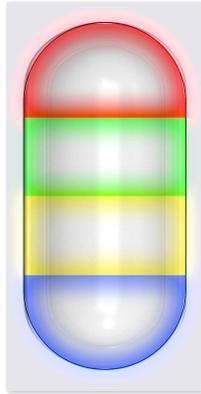
Documentation

Details about trigger time and trigger location will be recorded.



Door Light

774DLC-TU3



Door light is equipped with a controller which manages other devices in the patient rooms and 4 LED lamps of different colors (red, green, yellow, blue in default and customization is supported).

It is installed at/over the doors of patient rooms, which is an alarm light to inform caregiver of each call type triggered by patient and caregiver.



Easy to Maintain



Antibacterial Material



Comply CE



UV Protection



Flame Protection



High
Visibility

· IP Architecture

Open and standard API to work with third-party devices and systems.

· Easy to Installation & Maintenance

Door light is installed at/over the doors of patient rooms, which is easy to install and maintain.

· Robust Design

Solid construction design.

· Documentation

Information will be documented in local HD and server.

Technical Data

Model	TU3
Dimension	115*86
Operation System	Linux
CPU	ARM Cortex-A7, 1GHz
Lamp Color	Blue/Red/Yellow/Green (by default)
Material	ABS/Anti-UV/Fire-proof V-0
Power Supply	DC 12V/POE
Protocol Type	RJ45 10/100M, RS485
Alarm	Sound & Light
Working Temperature	-10°C ~ +55°C
Storage Temperature	-10°C ~ +60°C
Humidity	20% ~ 85%



Door Light

774DLC-TU3

Features

- Good mechanical properties with high resistance to daily stress (operation, cleaning, disinfection, jolts etc.)
- Suitable for use in care facilities with high standards of hygiene, stability, longevity and durability (continuous operation)
- 4 LED lamp colors for easy recognition of call types
- Delicate appearance fits in different decoration styles
- High visibility of LED lamp
- Impact resistant
- Protocol type: RS485 & TCP/IP
- RoHS-compliant

Function

The door light is an alarm light that is installed at/over the doors of patient rooms to inform caregivers of each call type triggered by patients and caregiver.

• Call Display

4 LED lamps of different colors refer to different call types for caregivers for easy and rapid deployment. In addition, these different colors can light up simultaneously to notify caregiver.

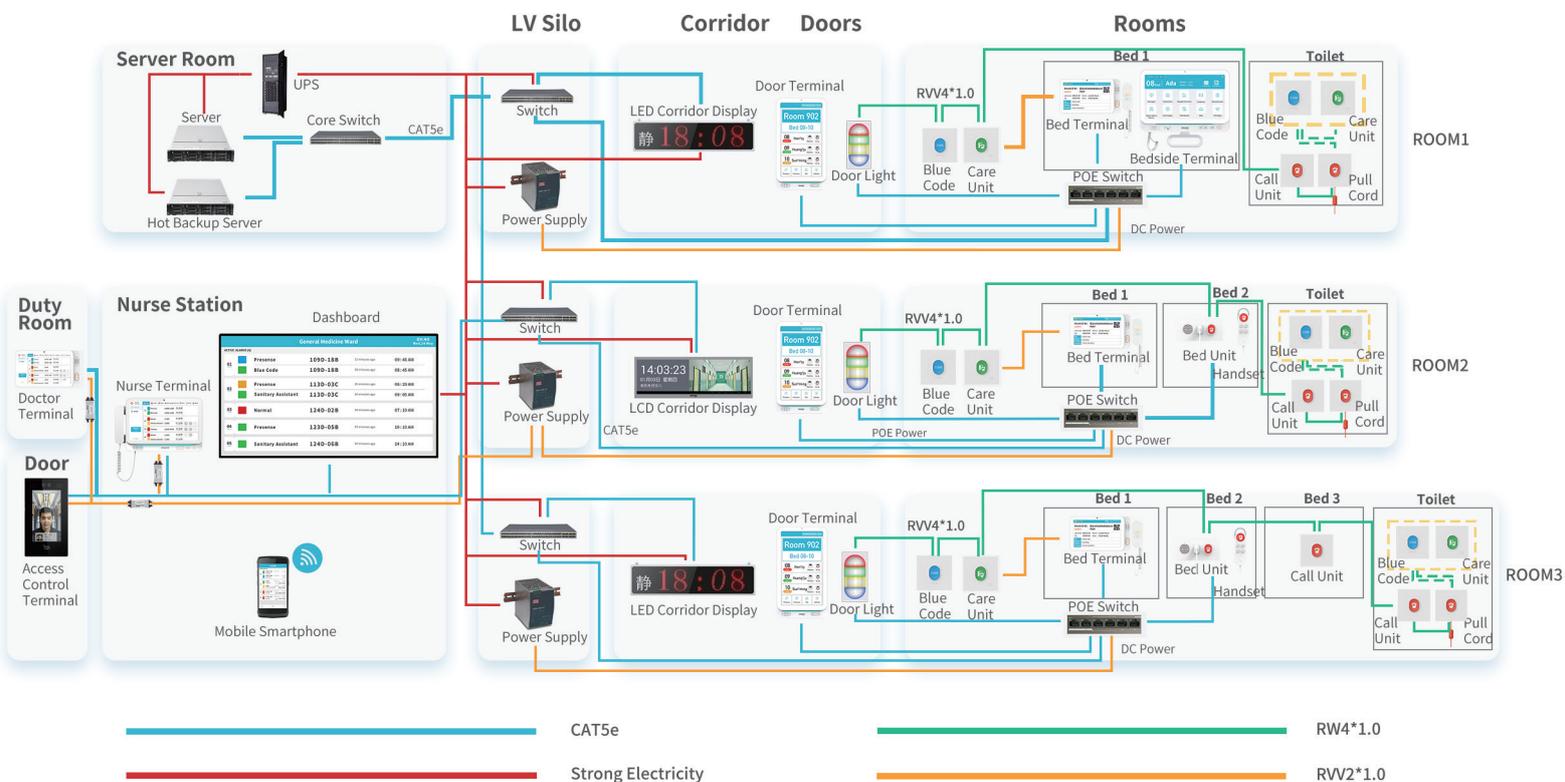
• Self-inspection

Real-time self-inspection is conducted all the time. When it is unable to work or offline, alarm will be sent to nurse station before noticed by patient & caregiver.

• Management

Equipped with a controller, it can manage other devices in the patient rooms. When other devices cannot work or offline, sound and light alarm will be turned on.

Architecture



IP Intercom



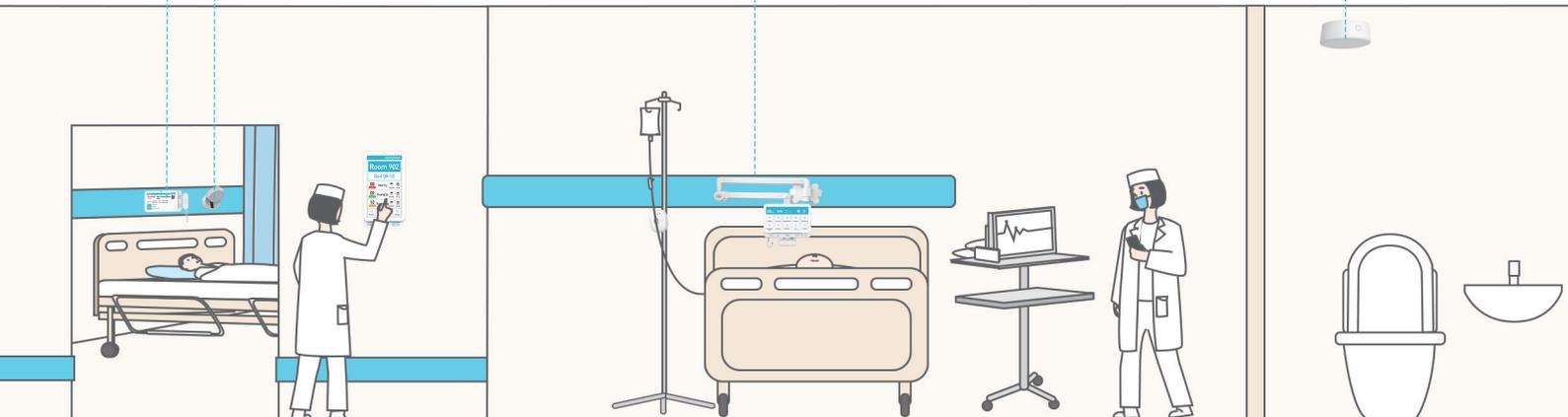
Sleep Monitoring

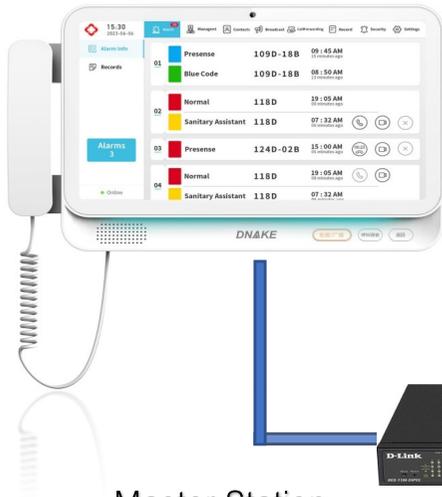


Bedside Terminal

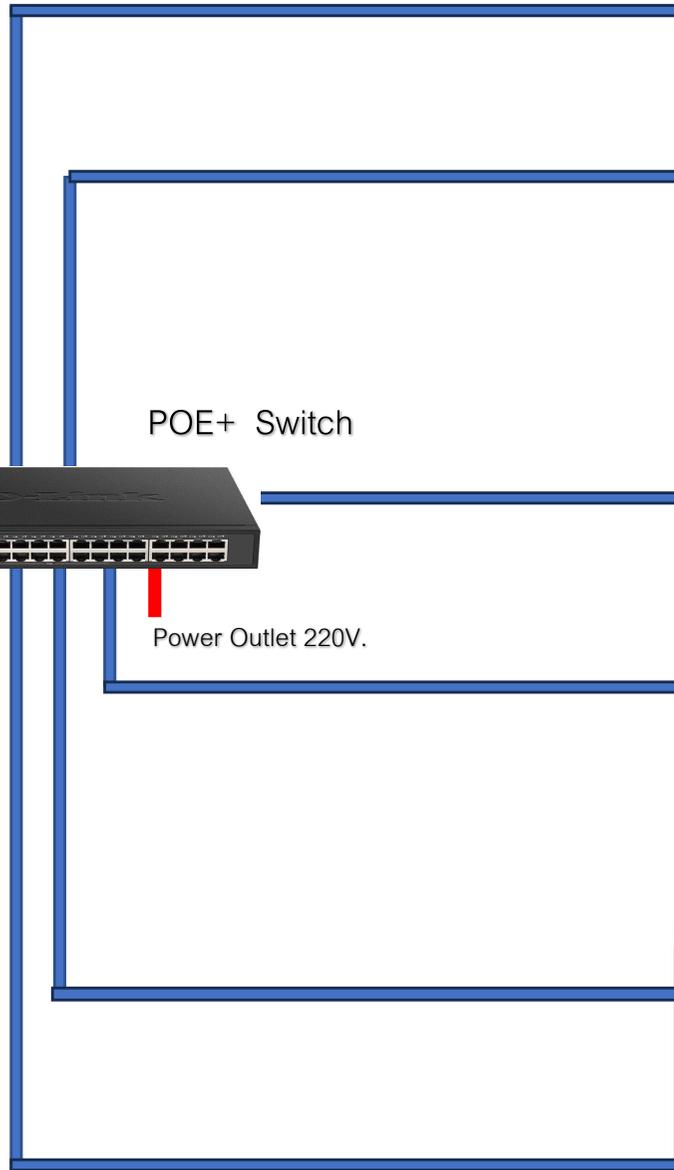


Falling Detector



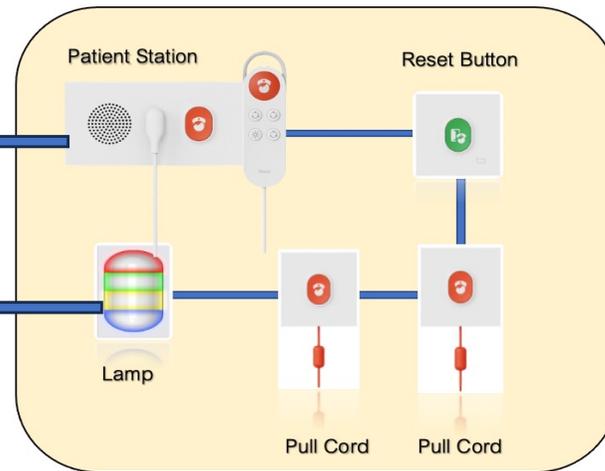


Master Station

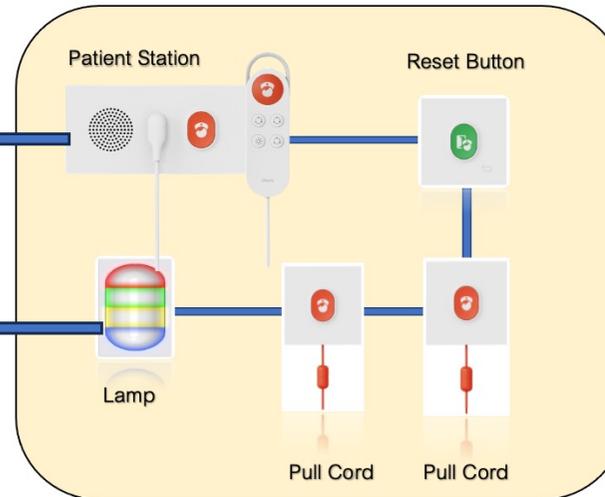


POE+ Switch

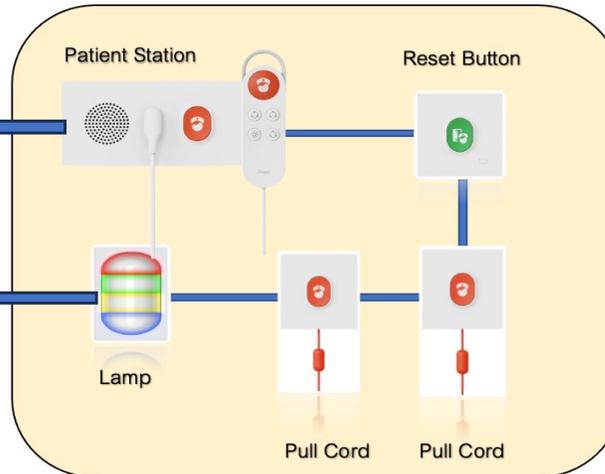
Power Outlet 220V.



Room (1)



Room (2)

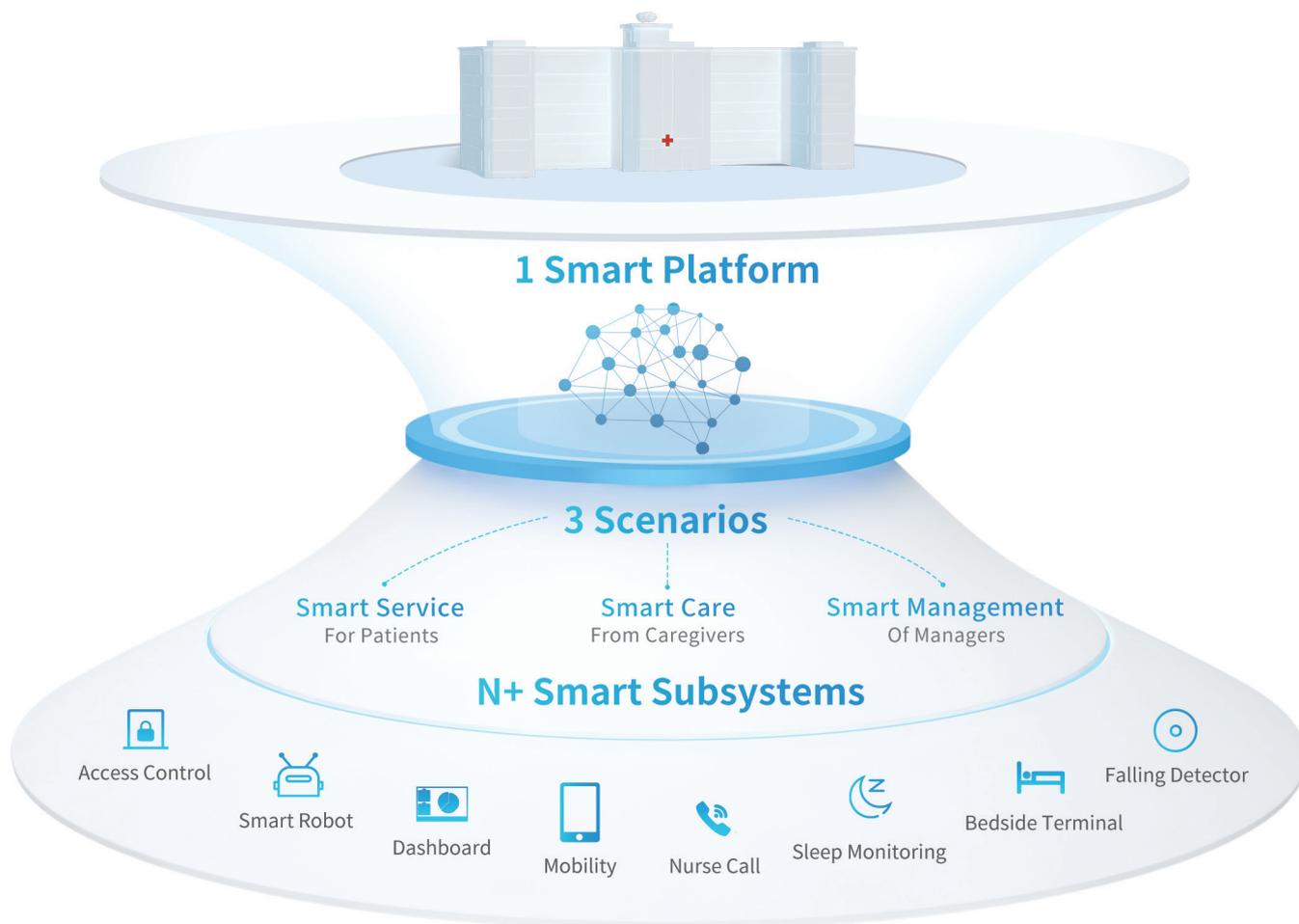


Room (3)

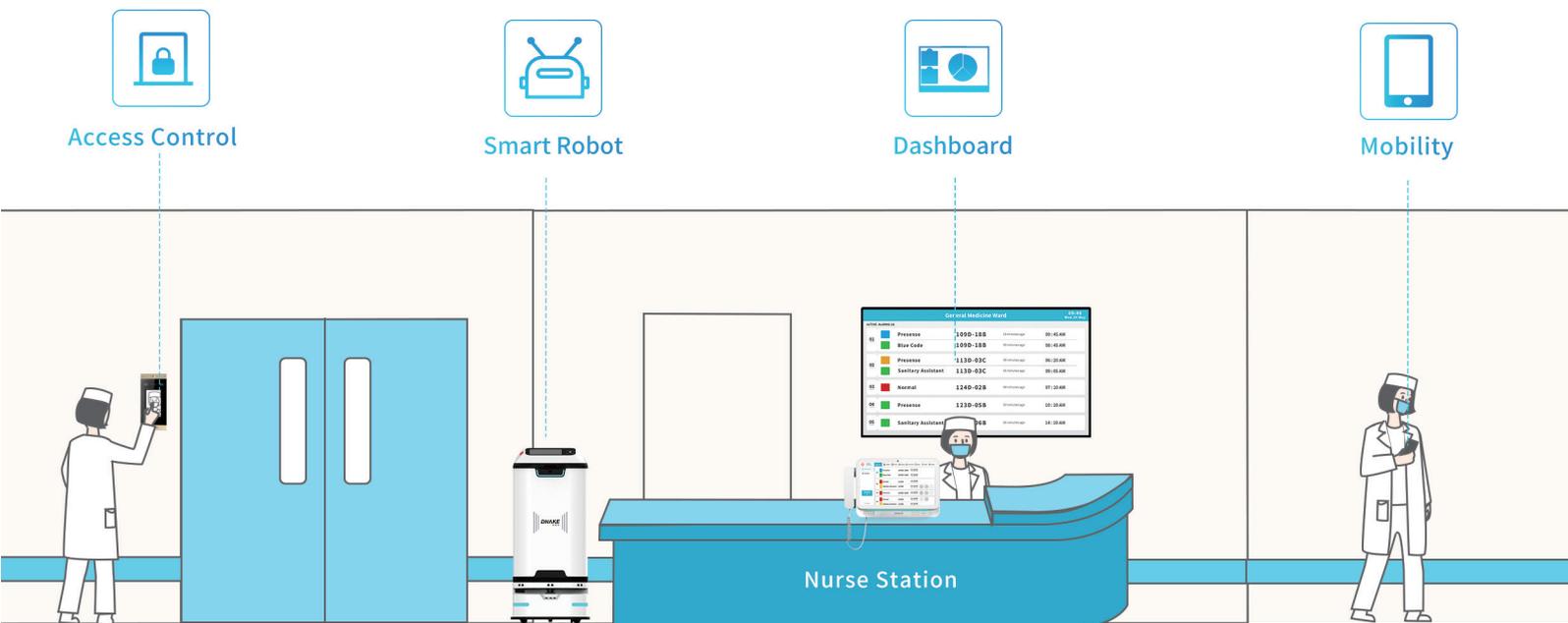
— UPT CAT 6 x 1

— Power Outlet 220V.

1+3+N Smart Healthcare Total Solutions



N+ Smart Subsystems



Smart Healthcare Total Solutions



Smart Healthcare Total Solutions

For the healthcare industry, smart solutions are essential for improving patient care, reducing costs, and increasing efficiency. Secutech offers a range of smart healthcare solutions, including smart beds, smart call buttons, and smart patient information systems. These solutions are designed to be easy to use and integrate with existing hospital infrastructure. Secutech's smart healthcare solutions are the perfect way to modernize your hospital and provide the best possible care for your patients.