sah:med
Professional Healthcare Solutions

Smart Healthcare
DATASHEET (V1.0)

- Reduce workload
- Optimize management
- Improve work flow
- Increase patient satisfaction

Software

Management Platform 4.0

MP-790S-IWS-B (990000000058)

Based on Internet technology, data analyzing technology, and distributed deployment technology, Integrated Information Management Platform conducts an overall management of patient, monitoring data, medical staff, and interactive device in smart ward to ensure effective information management and better services on the comprehensive platform. It adopts B/S architecture and can support an unlimited number of devices, including modules such as patient management, bed management, device management, call histories & analysis, message management, and operation and maintenance management. It meets the needs of smart services, smart care, smart management so that it can help hospitals optimize healthcare work flow, improve healthcare quality, provide better in-hospital experience, and realize "patient safety first" service.

1. Institute Management

The organization structure and location information of the institute can be set on the platform.

2. Device Management

The type, location, IP address and parameters of the device can be set on the platform.

3. Real-time Self-Inspection

Real-time self-inspection is supported.

4. Dual-Mode Intercom

Device can keep working on LAN when server cannot work.

5. Dual-System Hot Backup Server

When a server is working, hot backup is conducted. Auto-switch is supported to the backup server when the host server is down.

Software

Dashboard

DB-790S-NBS (990000000163)

SAHIMED Healthcare solution features a dashboard providing real-time and historic statistics and display of various types of call information and patient overview.

It provides data in real time to:
1. Measure caregiver response time & caring time
2. Demonstrate accountability in staff
3. Enhance workflow/nurse presence
4. Track call history
5. Visualized display of call history and device failure is provided for medical staff for statistical analysis.

Mobility License

MB-790S-MTS (990000000162)

Mobility APP shows calling information which is installed in PDA or smart phones so that caregiver can act to calls in time and improve effectiveness.

This function needs WIFI environment.

The system license is required to upload the system configuration.

API

AP-790S-NHS (990000000161)

SAHIMED Healthcare offers an open API for integrations in care facility such as HIS, LIS, PACS, Surgery & Anesthesia System & mobile Nursing system.

Application Programming Interface (API) is a direct point of integration with a computer system. SAHIMED's API is a set of tools to interact directly with the nurse call system.

With the API, SAHIMED enables quick integrations with any system.

Bedside Terminal

WBST-797M-HL3

Touchscreen

Antibacterial Material

Comply CE

UV Protection

Flame Protection

Easy to Maintain

Bedside terminal, which is equipped with 15.6-inch LCD touch screen, is used for patient and caregiver. It is installed at the patient bedside.

Patient can obtain excellent service at any time through the intelligent touchscreen, such as quickly inquire on real-time condition, test reports, payment status, vital signs, and etc; control lights, curtain, TV, etc; order meals; learn about hospital & department information and view illness related audio & video which are pushed by the hospital & caregiver.

Caregiver can easily get patient information through the screen. Caregiver can enter into Care station by using password, Face ID, IC Card to check & perform medical tasks.

It brings the greatest convenience for patients & caregiver during hospitalization.

· IP Architecture

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

· User Friendly Interface

Bedside Terminal provides user-friendly operating interfaces to support the daily care processes in care facilities.

· Easy Installation & Maintenance

Bedside terminal is placed at flexible brackets, which is easy to install and maintain.

· Robust Design

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

· Documentation

Information will be documented in local HD and server.

Technical Data

Material	ABS
Resolution	1920*1080
Life Time	MIN. 30000h
Working Temperature	-10℃ ~ +55℃
Power Supply	DC 12V/POE
Power Consumption	10W
Standby Power Consumption	2W
Dimension	386*272*29.2mm
RAM	2G
ROM	32G
Protocol	TCP/IP, SIP, RTSP
Operating System	Android 10.0
Interface	RS485, I/O input*4, RJ45*1, handset *1, power*1
Touch Technology	Capacitive
Panel Size	15.6-inch
Main Control Chip	Quad-core 64-bit Cortex-A53, 1.6GHz

Permitted disinfectants:
ethanol, ammonium-chloride, aldehyde

Bedside Terminal

WBST-797M-HL3

System infrastructure

- Processor: Quad-core 64-bit 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

Features

- 15.6’ high-end bedside 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
- RS485 interface, I/O input
- RoHS-compliant

Function

Bedside terminal, which is equipped with 15.6-inch LCD touch screen, is used for patients and caregiver. It is installed at the patient bedside.

Patient can use this terminal to perform:

- **Nurse call**

Bedside terminal is equipped with call button & handset , which is easy for patient to trigger a nurse call.

- **Inquiry**

Patient can inquire on daily diagnosis, treatment plans, surgical arrangements related precautions, test reports, medical orders, payment status, vital signs, and etc.

- **Smart Control**

Patient can easily use handset/panel to control light, curtain, TV and air condition, etc.

- **Pay**

Patient can pay the bill using bar code provide by the care facility if online payment is supported.

- **Meal Order**

Patient can order meal.

- **Message**

Patient can check the message from caregiver, such as reminder, public announcement and audio/video.

- **Entertainment**

Patient can use bedside terminal for entertainments like TV, music, games.

Caregiver can log in care station to perform:

- **Assistant Call**

Caregiver can trigger assistant call through the assistant call button to ask for colleague’s help.

- **Call Following**

When a caregiver is caring and another call is triggered from another patient, bedside terminal can act as nurse station to receive this call and intercom.

- **Inquiry**

Caregiver can inquiry on medical orders, medical tasks and care history.

- **Round**

When the caregiver logs in the care station, round information will be recorded.

- **Timer**

Caregiver can set a timer and when care task is finished, a reminder will be automatically sent to nurse station.

- **Guidance**

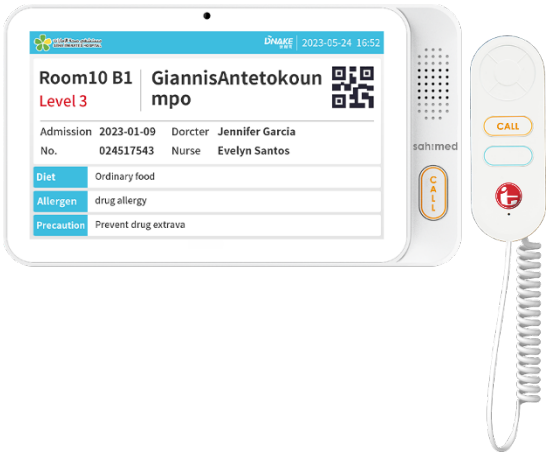
With bedside terminal, caregiver can regularly push video or graphic guidance materials to patient and their families to provide health education and conduct targeted learning, which can significantly reduce the workload of nurses and improve the effectiveness of education.

- **Bluetooth**

Bedside terminal supports bluetooth connection to the third party devices. For example, to record vital signs and other information.

Bed Terminal

WBT-797M–KS10



Touchscreen

Antibacterial Material

Comply CE

UV Protection

Flame Protection

Easy to Maintain

Bed terminal, which is equipped with 10.1-inch LCD touch screen, is used for patient and caregiver. It is installed at the patient bed.

Patient can obtain excellent service at any time through the intelligent touchscreen, such as quickly inquire real-time condition, test report, payment status, vital signs etc; control lights, curtain etc.

Caregiver can easily get the patient information through the screen.

It brings the greatest convenience for patient & caregiver during hospitalization.

· IP Architecture

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

· User Friendly Interface

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

· Easy Installation & Maintenance

Bed terminal is wall-mounted and is easy to install and maintain.

· Robust Design

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

· Documentation

Information will be documented in local HD and server.

Technical Data

Material	ABS
Resolution	1280*800
Life Time	MIN. 30000h
Working Temperature	-10℃ ~ +55℃
Power Supply	DC 12V/POE
Power Consumption	10W
Stanby Power Consumption	2W
Dimension	274.5*164*23mm
RAM	2GB
ROM	32GB
Protocol	TCP/IP, SIP, RTSP
Operating System	Android 10.0
Interface	RS485*1, I/O*1, RJ45*1, alarm input*2, handset*1, power*1
Touch Technology	Capacitive
Panel Size	10.1-inch
Main Control Chip	Quad-core 64-bit Cortex-A53, 1.6GHz

Permitted disinfectants:
ethanol, ammonium-chloride, aldehyde

Bed Terminal

WBT-797M–KS10

System infrastructure

- Processor: Quad-core 64-bit 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

Features

- 10.1’ high-end bed 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
- RS485 interface, I/O input
- RoHS-compliant

Function

Bed terminal, installed at the patient bed, is equipped with 10.1-inch LCD touch screen and is used for patient and caregiver.

Patient can use this terminal to perform:

- **Nurse call**

Bed terminal is equipped with call button & handset, which is easy for patient to trigger a nurse call.

- **Voice Communication**

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

- **Inquiry**

Patient can inquire daily diagnosis, treatment plans, surgical arrangements, related precautions, test result, medical orders, payment status, vital signs, and etc.

- **Message**

Patient can check the message from caregiver, such as reminder, public announcement, audio/video.

Caregiver can use this terminal to perform:

- **Assistant Call**

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

- **Call Following**

When the caregiver is caring, another call is triggered from another patient. Bed terminal can act as nurse station to receive this call and intercom.

- **Inquiry**

Caregiver can inquire information on medical order, medical tasks and care history.

- **Timer**

Caregiver can set timer and when care task is finished, a reminder will be automatically sent to nurse station.

- **Guidance**

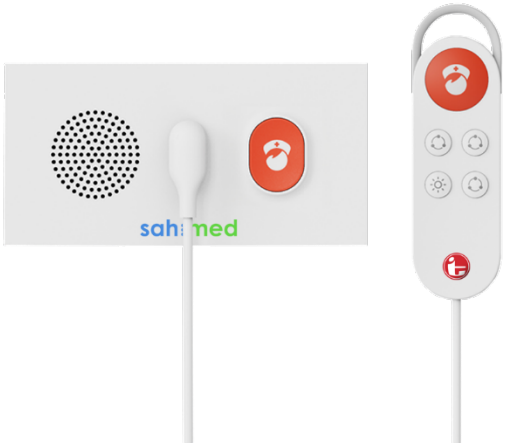
With the bed terminal, caregiver can regularly push video or graphic guidance materials to patient and their families so that health education and targeted learning can be provided, which significantly reduce the workload of nurse and improve the effectiveness of education.

- **Bluetooth**

The bed terminal supports Bluetooth connection to the third party devices. For example, to record vital signs and other information.

Bed Unit

WBU-774M-HS27



Button ONLY

Easy to Maintain

Comply CE

UV Protection

Flame Protection

Antibacterial Material

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.

· Easy Install & Maintain

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

· Robust Design

Solid contruction 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℃ ~ +55℃
Storage Temperature	-10℃ ~ +60℃
Humidity	20% ~ 85%

Permitted disinfectants:
ethanol, ammonium-chloride, aldehyde

Bed Unit

WBU-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 assisstant 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.

Blue Code

WBC-BLUEC770EB-AL7

Blue code, 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 nurses to make a medical call after care unit was triggered, which can call medical team when medical assitance is needed.

Medical team is informed by nurse station, doctor station and corridor displays simultaneously with sound & light alarms.

Button/IC Card

Easy to Maintain

Comply CE

UV Protection

Flame Protection

Antibacterial Material

· **Easy Install & Maintain**

Suitable for standard 86/80 wall box.

· **Robust Design**

Solid construction design.

· **Documentation**

Operation record will be documented in 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℃ ~ +55℃
Storage Temperature	-10℃ ~ +60℃
Humidity	20% ~ 85%

Permitted disinfectants:
ethanol, ammonium-chloride, aldehyde

Blue Code

WBC-BLUEC770EB-AL7

Features

- Standard 86 size, 86/80 wall box
- Button pressing & IC card are both supported
- Recognizable appearance: one button only, backlight, marked with 'CODE'
- STAFF ONLY marked to avoid mis-operation
- 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)
- Impact resistant
- Protocol type: RS485
- RoHS-compliant

Function

It is used for nurses to make a medical call after care unit was triggered, which can call medical team when medical assitance is needed. It is installed in patient rooms where is needed.

Blue Code

Nurse can trigger the Blue Code to inform medical team when medical emergency happens.

Blue Code Cancellation

Medical team can cancel the Blue Code by pressing the button or using IC card when arriving.

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.

Call Unit

WCL-CALLU770EB-AL7

Call unit, designed with a distinguished appearance, is installed in patient rooms. It is equipped with an indicating light that can be easily noticed even in dark environment and won't disturb patient. It is used for patient to make a call to ask nurse for help when needed.

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

Button ONLY

Easy to Maintain

Comply CE

UV Protection

Flame Protection

Antibacterial Material

· Easy Installation & Maintenance

Suitable for standard 86/80 wall box.

· Robust Design

Solid contruction 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℃ ~ +55℃
Storage Temperature	-10℃ ~ +60℃
Humidity	20% ~ 85%

Permitted disinfectants:
ethanol, ammonium-chloride, aldehyde

Call Unit

WCL-CALLU770EB-AL7

Features

- Standard 86 size, 86/80 wall box
- Button pressing only
- 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)
- Impact resistant
- Protocol type: RS485
- RoHS-compliant

Function

Call unit, designed with a distinguished appearance, which is installed in patient rooms and is used for patients to make a call, which can call nurse when help is needed.

Nurse Call

Patient uses this unit to call nurses for help.

Assistant Call

Caregiver can use this unit to make an assisstant 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 patients & caregivers.

Documentation

Details about trigger time and trigger location will be recorded.

Pull Cord

TPC-CALLU770EB-AL7

Button/Pull Cord

Easy to Maintain

Comply CE

UV Protection

Flame Protection

Antibacterial Material

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.

· Easy Installation & Maintenance

Suitable for standard 86/80 wall box.

· Robust Design

Solid contruction 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℃ ~ +55℃
Storage Temperature	-10℃ ~ +60℃
Humidity	20% ~ 85%
Cord Length	Adjustable, 0.5-2m in default

Permitted disinfectants:
ethanol, ammonium-chloride, aldehyde

Pull Cord

TPC-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 assisstant 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.

Care Unit

WCR-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 contruction 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℃ ~ +55℃
Storage Temperature	-10℃ ~ +60℃
Humidity	20% ~ 85%

Permitted disinfectants:
ethanol, ammonium-chloride, aldehyde

Care Unit

WCR-CAREU770EB-AL7

Features

- Standard 86 size, 86/80 wall box
- Button pressing & IC card are both 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)
- Impact resistant
- Protocol type: RS485
- RoHS-compliant

Function

Care unit, designed with a distinguished appearance, is installed in patient rooms and used for caregivers to show the presence and cancel the call.

Presence

After pressing the button or using the IC card, caregiver can show the presence in the room.

Cancellation

When caregiver presses the button or use the IC card again, the call is cancelled.

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

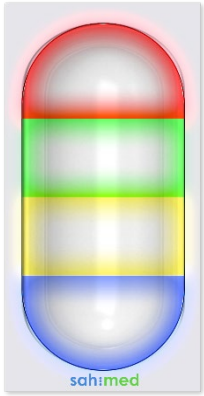
Details about trigger time, trigger location, cancel time, cancel location and cancel operator(if IC card is applied) will be recorded.

Round

When caregiver shows the presence without patient call, round information will be recorded.

Door Light

WDL-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 Visuality

· 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 contruction 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℃ ~ +55℃
Storage Temperature	-10℃ ~ +60℃
Humidity	20% ~ 85%

Permitted disinfectants:
ethanol, ammonium-chloride, aldehyde

Door Light

WDL-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 recognization of call types

• Delicate appearance fits in different decoration styles

• High visuality 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**

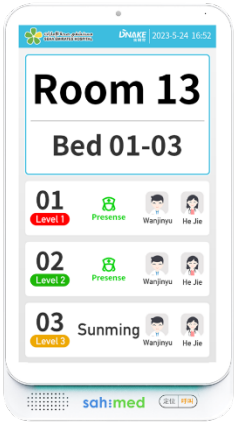
Real-time self-inspection is conducted all the time. When it is unable to work or offline, alarm will be sent to nurse station before noticed by patient & caregiver.

• **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.

Door Terminal

DT-797D-KS10



Touchscreen

Antibacterial Material

Comply CE

UV Protection

Flame Protection

Easy to Maintain

Door terminal, which is equipped with 10.1 inch LCD touch screen, is used for patients and caregivers. It is installed at the door, which provides superior convenience for medical staff and patient.

It is also an information display that can deliver useful information such as patient info, caregiver info, nursing status, and etc.

· IP Architecture

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

· User Friendly Interface

Door Terminal provides user-friendly operating interfaces to support the daily care processes in care facilities.

· Easy Install & Maintain

Door terminal is wall-mounted and is easy to install and maintain.

· Robust Design

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

· Documentation

Information will be documented in local HD and server.

Technical Data

Material	ABS
Resolution	800*1280
Life Time	MIN. 30000h
Working Temperature	-10℃ ~ +55℃
Power Supply	DC 12V/POE
Power Consumption	10W
Stanby Power Consumption	2W
Dimension	274.5*164*23mm
RAM	2G
ROM	32GB
Protocol	TCP/IP, SIP, RTSP
Operating System	Android 10.0
Interface	RS485*1, RJ45*1, I/O*1, alarm input*4, power*1
Touch Technology	Capacitive
Panel Size	10.1-inch
Main Control Chip	CPU Quad-core 64-bit Cortex-A53, 1.6GHz

Permitted disinfectants:
ethanol, ammonium-chloride, aldehyde

Door Terminal

DT-797D-KS10

System infrastructure

• Processor: Quad-core 64-bit 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

Features

• 10.1’ high-end door 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

• RS485 interface, I/O input

• RoHS-compliant

Function

Door Terminal, which is widely used for digital smart patient rooms and installed at door, is equipped with 10.1-inch capacitive touchscreen.

• **Nurse call**

Door terminal is equipped with call button, which is easy for patient to trigger a nurse call in public area such as corridor, door side and etc. Voice communication is supported.

• **Call Following**

When the caregiver is caring, another call is triggered from another patient. Door terminal can act as nurse station to receive this call and intercom.

• **Guidance**

With the door terminal, patient can watch video and read graphic guidance materials of health education from caregiver, which can significantly reduce the workload of nurse and improve the effectiveness of education.

• **Communication**

Caregiver can use this device to make a connection with the patient without entering the room.

LCD Corridor Display

CLCD-790MD-1

LCD corridor display, suspended on the corridor ceiling, displays call information. It can display date, time and other customized information when it is idle. When a call is triggered, it can display 4 pieces of call information in parallel, making it easy and convenient for medical staff to view.

UV Protection

Flame Protection

Easy to Maintain

Comply CE

· IP Architecture

Compitible to work with third-party devices and systems.

· User Friendly Interface

High resolution and enlarged viewing angle display, supports graphic information.

· Easy Installation & Maintenance

LCD corridor display is lifted on ceiling, which is easy to install and maintain.

· Robust Design

Reliable design: metal structure ensures excellent impact resistance and heat dissipation performance.

· Documentation

Information will be documented in server.

Technical Data

Display Size	28.6 inch
Resolution	1920*560
Installation	Lifting installation
Dimension	728.6*236*288.7mm
Operating System	Android 7.1
CPU	Quad-core Rockchip-RK3288
RAM	2G
ROM	16GB
Working Temperature	0℃～+50℃
Storage Temperature	-20℃～60℃
Voltage	AC220V 50-60Hz
Power Consumption	≤85W
Standby Power Consumption	<1W

Permitted disinfectants:
ethanol, ammonium-chloride, aldehyde

LCD Corridor Display

CLCD-790MD-1

System infrastructure

• Processor: Quad-core Rockchip-RK3288

• Memory: 2GB RAM, 16GB ROM

• Operating system: Android 7.1

Features

• High resolution, LCD liquid crystal display, stylish design with cutting-edge technology

• Good mechanical properties with high resistance to daily stress (operation, cleaning, disinfection, jolts etc.)

• Time, slogans and customized information is displayed when there is no call; call information is displayed when a call is triggered and voice broadcast at the same time

• Trapezoidal appearance design ensures a confortable visual effect

• High Visuality

• English & Simplified Chinese as supported display language

• Suppot dual panel display

• Sound & light alarm

• UV/Impact/Heat/Fire resistant

• IP interface

• RoHS-compliant

Function

LCD corridor display, suspended on the corridor ceiling, scrolls to display information.

• **Information Display**

Date, time, slogan, hospital LOGO and other customized information can be displayed on LCD screen.

• **Call Display**

When a call is triggered, call information according to different call type can be displayed.

• **Voice Announcement**

Sound & Light alarm is supported, and voice announcement is optional if allowed.

LED Corridor Display CLED-772MD-DP4

LED dot matrix corridor display, suspended on the corridor ceiling, displays call information. It can display date, time and other customized information when it is idle. When a call is triggered, it can display 4 pieces of call information in parallel, making it easy and convenient for medical staff to view.

UV Protection

Easy to Maintain

Comply CE

Technical Data

Resolution	128*32
Installation	Lifting installation
Dimension	774*187*50mm
Operating System	Linux 2.6
Audio Version	G.711
Internet	10-100Mbps, support self-adaptation
Protocol	TCP/IP, SIP
Working Temperature	-10℃ ~ +55℃
Storage Temperature	-10℃ ~ +60℃
Voltage	AC220V
Power Consumption	15W
Standby Power Consumption	10W

· IP Architecture

Compitible to work with third-party devices and systems.

· User Friendly Interface

It provides information via red LED light that can be clearly shown to paitients and medical staff.

· Easy Installation & Maintenance

LED Corridor Display is lifted on ceilling, which is easy to install and maintain.

· Robust Design

Aluminum shell to ensure a delicate apperance; LED display to show information clearer, lower maintenance cost, save energy.

· Documentation

Information will be documented in server.

Permitted disinfectants:
ethanol, ammonium-chloride, aldehyde

LED Corridor Display CLED-772MD-DP4

System infrastructure

• Operating system: Linux 2.6

• Protocol type: TCP/IP, SIP

• Audio codec: G.711

Function

LED dot matrix corridor display, suspended on the corridor ceiling, scrolls to display information.

• **Information Display**

Date, time, and other customized information can be displayed on LED screen.

• **Call Display**

When a call is triggered, call information according to different call types can be displayed.

• **Alarm**

Sound & Light alarm is supported.

Features

• 128*32 LED dot matrix display, stylish design with cutting-edge technology

• Good mechanical properties with high resistance to daily stress (operation, cleaning, disinfection, jolts etc.)

• English & Simplified Chinese as supported display language

• Suppot dual panel display

• Sound & Light alarm

• Impact resistant

• IP interface

• RoHS-compliant

Access Control Terminal CACT-795DE-Y5

Access control terminal, which supports Face ID, ID card and password, is installed at the ward door. It improves ward management, and provides different access authority management for different groups of people so that hospital can realize the intelligent management of visitation and security in important ward areas.

Touchscreen

Antibacterial Material

Comply CE

UV Protection

Flame Protection

Easy to Maintain

Technical Data

CPU	Quad-core Cortex-A17,1.8GHz
ROM	8GB
RAM	2GB
Internet	10/100Mbps Ethernet port, support self-adaptation
Screen	7-inch LCD, 600x1024
Touch Technology	Capacitive
Camera	Single camera, 1920x1080 Pixel
Access Card	Support IC card in accordance with ISO/IEC 14443 Type B protocol
Infrared Detection	Support human body sensing function; sensing distance is 0.5m~1.5m
Face ID	Support
Interface	USB*1, RS485*1
Operating System	Android 6.0.1
Material	Aluminum panel; Full touch lens
Dimension	138*275*35mm

· IP Architecture

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

· User Friendly Interface

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

· Easy Installation & Maintenance

It is wall-mounted, which is easy to install and maintain.

· Robust Design

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

· Documentation

Information will be documented in local HD and server.

Permitted disinfectants:
ethanol, ammonium-chloride, aldehyde

Acess control terminal CACT-795DE-Y5

System infrastructure

- Processor: Quad-core Cortex-A17,1.8GHz
- Memory: 2GB RAM, 8GB ROM
- Operating system: Android 6.0.1
- Video codec: H.264
- Audio codec: G.711/G.729
- Protocol type: TCP/IP, SIP, RTSP

Features

- 7’ high-end 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)
- Support front camera to video calls.
- Easy operation with touch screen
- UV/Impact/Heat/Fire resistant
- Antibacterial material
- RS485 interface
- RoHS-compliant

Function

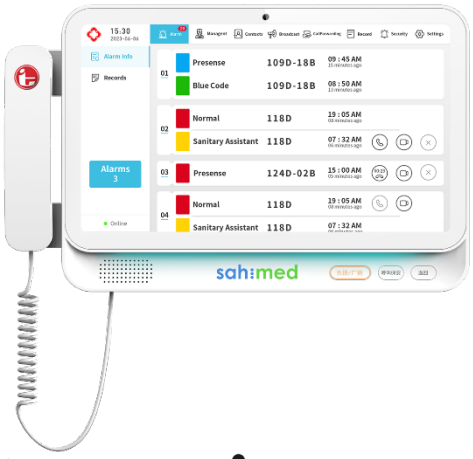
Access control terminal, which supports Face ID, ID card and password, is installed at the ward door.

- **Access Control**

Authorized medical staff and patients can get access via Face ID, IC card and password. Unauthorized visitors can get access by pressing door bell after permitted by nurse station. This function needs connecting to third-party exit button and door magnetic controller.

Nurse Terminal

NST-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 contruction design.

· Documentation

Information will be documented in local HD and server.

Technical Data

Material	ABS
Ambient Temperature	-10℃ ~ +55℃
Storage Temperature	-10℃ ~ +60℃
Air humidity	20% ~ 85%
Power Supply	DC 12V/POE
Power Consumption	10W
Stanby 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

Permitted disinfectants:
ethanol, ammonium-chloride, aldehyde

Nurse Terminal

NST-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.

T3-Box

NST-793MC-T3

T3- Box, put on desk and connected to a LCD display, is a multimedia video box transmitted information and data via TCP/IP protocol. It is used in SAHIMED Healthcare Information Display System for medical team to check information effectively and smartly.

Antibacterial Material

Comply CE

UV Protection

Flame Protection

Easy to Maintain

· Easy Installation & Maintenance

Solid material, put on desk, easy to install and maintain.

· Robust Design

Solid contruction design.

· Documentation

Information will be documented in server.

Technical Data

Model	793MC-T3
RAM	1GB
ROM	8GB
Storage Expansion	Micro SD Card, compatible with up to 128GB
Operating System	Android 6.0
LAN	10/100Mbps ethernet, adaptable
HDMI Interface	HDMI 2.0, Output resolution 1920x1080
USB Interface	Micro USB interface to connect with PC; USB 2.0 interface*3
Indicator	Power indicator, red; Working indicator, green
Dimension	161.2 x 104.2 x 26.2mm
Embedded Device	Encrypted chip; Built-in buzzer
Working Temperature	-10℃ ~ +55℃
Storage Temperature	-10℃ ~ +60℃
Humility	20% ~ 85%

Permitted disinfectants:
ethanol, ammonium-chloride, aldehyde

T3-Box

NST-793MC-T3

System Data

- Operating: Android 6.0
- Video codec: H.264
- Protocol type: TCP/IP & HDMI
- CPU: Octa-core 64-bit Cortex-A53, up to 1.5GHz; integrated PowerVR G6110 GPU
- Built-in clock chip, support power-off time hold, hold time ≥ 48H

Function

T3- Box, put on desk and connected to a LCD display, is for medical team to check information effectively and smartly.

Information Sharing

When connected to SAHIMED Healthcare digital communication system, T3-Box can receive from server and send information to display in real-time.

Display Connection

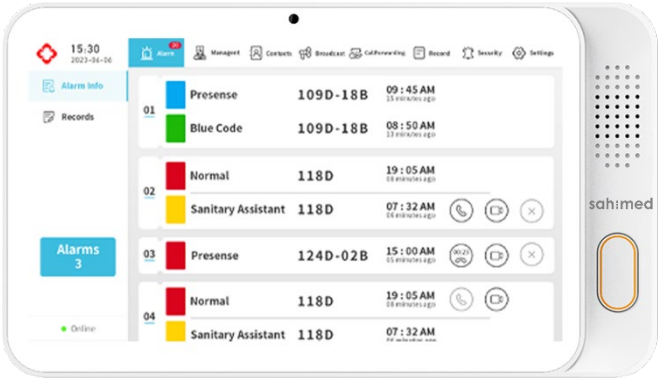
When connected to LCD display via HDMI, audio, video, graphic and text information pushed by server can be synchronized on display.

Features

- Good mechanical properties with high resistance to daily stress (operation, cleaning, disinfection, jolts etc.)
- English & Simplified Chinese as supported display language
- USB mouse is supported
- Impact resistant
- IP interface
- RoHS-compliant

Doctor Terminal

DT-797D–KS10



Doctor terminal is used in duty room & doctor room to help medical staff to ensure patient safety, improve work efficiency & care quality, and increase the effectiveness of hospital emergency management.

Doctor terminal receives alarms & calls triggered by Blue Code so that medical emergency can be responsed in time by medical team.

There are other functions such as control ward access, check patient information and call history, connect with other devices, 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

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

· Easy Installation & Maintenance

Doctor terminal is wall-mounted and is easy to install and maintain.

· Robust Design

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

· Documentation

Information will be documented in local HD and server.

Technical Data

Material	ABS
Resolution	1280*800
Life Time	MIN. 30000h
Working Temperature	-10℃ ~ +55℃
Power Supply	DC 12V/POE
Power Consumption	10W
Stanby Power Consumption	2W
Dimension	274.5*164*23mm
RAM	2GB
ROM	32GB
Protocol	TCP/IP
Operating System	Android 10.0
Interface	RS485*1, I/O*1, RJ45*1, alarm input*2, handset*1, power*1
Touch Technology	Capacitive
Panel Size	10.1 inch
Main Control Chip	Quad-core 64-bit Cortex-A53, 1.6GHz

Permitted disinfectants:
ethanol, ammonium-chloride, aldehyde

Doctor Terminal

DT-797D–KS10

System infrastructure

• Processor: Quad-core 64-bit 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

Features

• 10.1’ high-end bed 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)

• 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

• RS485 interface, I/O input

• RoHS-compliant

Function

Doctor terminal, which is equipped 10.1 inch LCD touch screen, can be used for duty room & doctor office, etc.

Doctor terminal is connected to other call unit through TCP/IP. Staff flexibly use intercom and select all functions via the touch terminal.

Emergency call will be displayed and different alert music can be chosen. Voice announcement is supported which can announce “** bed is calling”.

Good quality voice communication can be held between doctor terminal and bed unit, other doctor 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 and 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.

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

Other Devices

Other

1. Server

CPU (core)	20
RAM (GiB)	64
ROM (GB)	2000
Broadband (MB)	1000

2. Power Supply

Input voltage	100 ~ 264V
Input current	4.8A
Output voltage	24V
Output current	20A
Rated power	480W

3. Switch

24-port full Gbit switch;
Support VLAN;
Enterprise-level switch;
Rack-mounted

4. POE Switch

100M POE switch;
Power supply ≥50W;
5 10/100M with adaptive Ethernet ports complying IEEE802.3u standard;
Support Ethernet POE+ power supply

5. Router

Wi-Fi6;
Gigabit ports;
5G dual-band wireless enterprise router

6. Philips Display

Panel size	54.6 inch
Maximum resolution	3840 x 2160
Screen brightness	500cd/m²(typ.)
Contrast ratio	1200:1 (typ)
Viewing angle	178°(H) / 178°(V) CR>10
Lifetime	>30000 hrs(Min)
Voltage	100V-240V ~ ,50/60 Hz
Internal speaker	Left and right channels speaker 8W*2
Interface	HDMI 2.0*2, LAN IN(RJ45)*1, RS232 IN*1, AUDIO IN*1, AUDIO OUT*1, USB2.0*2
Processor	4XA53
Storage	2G/8G; DDR/ROM
System	Android 9.0

7. Mobible Smartphone

CPU	Quad-core
Operating System	Android 6-10
RAM&ROM	3GB+32GB
Interface/Protocol	Waterproof Type C USB interface*1, support Type C earphone; support USB2.0 HighSpeed; support OTG; support fast charge
Display	1280(H)×720P(W)
Power	Non-removable 4.4V 5000mAh lithium-ion rechargeable battery
Notification Method	Sound, vibrator, LED light indicator
Sensor	Gsensor, light sensor, distance sensor, electronic compass, gyroscope
Dimension	154(H)×76(W)×14.9(T)
Weight (Battery Included)	235g (including battery, it varies according to different configurations)
Working Temperature	-20°C to 50°C
Humidity	5% to 95% RH non-condensing
Others	Open 5060 port, support white list