湖南一特电子医用工程股份有限公司

Hunan Eter Electronic Medical Project Stock Co.,Ltd
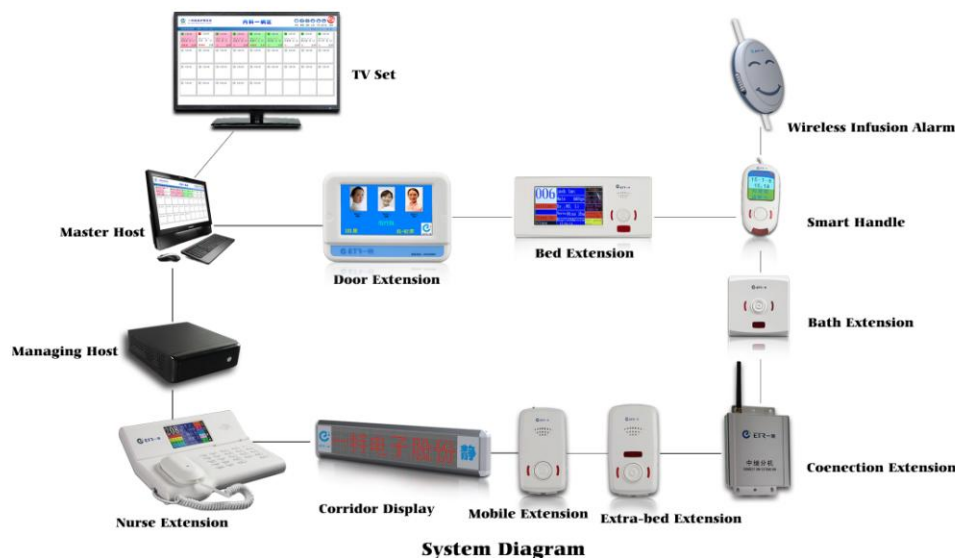
Eter Star Ward Nursing System

Eter Star Series Ward Nursing System Brief Introduction

Eter Star Ward Nursing System is a brand-new Ward Nursing System researched and launched by Hunan Eter Electronic Medical Project Stock Co.,Ltd in2011.Inherited the advanced tecnology and theory of former two nurse cal systems,this new system has further enriched the hospital wards management and information service with modern computer technology.So far,Eter Star series product is the most advanced and powerful nurse call system in China,And also it will be a very competitive product in the international market.

1、Overview

Eter Star Ward Nursing System is an indispensable important part in hospital digitization construction,which not only provides the powerful communication among doctors,nurses and patients,but also creatively offers the new functions of voice reminding,infor mation issuing,information collection,information process,and etc,.stretched hospital information system(HIS) to wards.This system has truly achieved a leap of nursing quality besides the greatly decrease of the work intensity of nursing staff.

1.1、System Components

System Diagram

1.2、Functions

1.Wire or/and wireless call.sorted vioce number telling	2.Two way talk
3.Broadcast	4.Point to point talk
5.LCD graphic display	6.Information Issuing
7.Touch	8.Volume period set of voice telling
9.Intelligent control	10.Record check
11.Nurse management	12.Multicolor door lamp
13.Patient list	14.Permanent calendar
15.Statistics	16.Wireless call(By Extra-bed extension)
17.Calculator	18.Bed music
19.Wireless infusion alam (expendable)	20.O:Uptake Timer(expen dable)

1.3、Configuration Method

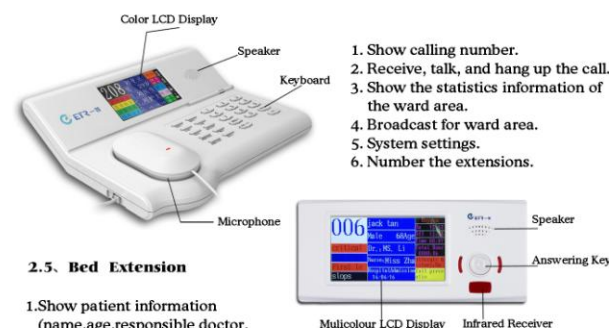| Components	Necessary/Optional		Location	Quantity
Master Host	Necessary		Office/Nurse Station	1pc
Managing Host	Necessary		Office/Nurse Station	1pc
Nurse Extension	Necessary		Office/Nurse Station/Duty room/Rest room	≥1pc
Bed Extension	Necessary		Each bed	≥1pc
Smart Handle	Necessary		Each bed extension	≥1pc
Door Extension		Optional	Beside the door	≥1pc
Bath Extension		Optional	Bath room	≥1pc
Corridor Display		Optional	Aisle/corridor	≥1pc
Mobile Extension		Optional	Nurse	≥1pc
Extra-bed Extension		Optional	Extra-bed patient	≥1pc
Connection Extension		Optional	Wall	≥1pc
Wireless Infusion Alarm		Optional	Infusion tube	≥1pc
O:Uptake Timer		Optional	Bed headunit	≥1pc

2、Component Functions

2.1、Master Host

1.Patient information input and issuing.Information storage,process and print.

2.Display patient list   3.System settings

4.Background music broadcast   5.Can connect the LCD TV display to show patient information.

6.Can connect the HIS via network port to up-date aut omatically.

7.Standard 19 inch color LCD touch screen,audio input/output port,RJ45 network port,multi USB ports,DB15RGB interface.DB9 serial interface.

8.Usually install in the nurse working place.

The actual product you receive may be (slightly) different frorm this photo

2.2、Managing Host

1.In charge of information transformation among master host and complements.

2.Receive and transmit wireless data.It is a background equipment of information transformation.

3.With MP3 player,wireless receive and transmission mould,bus control mould inside.

The actual product you receive may be (slightly) different frorm this photo

2.3、Nurse Extension (An equipment for doctor or nurse ues)

Color LCD Display
Speaker
Keyboard
Microphone

1. Show calling number.
2. Receive, talk, and hang up the call.
3. Show the statistics information of the ward area.
4. Broadcast for ward area.
5. System settings.
6. Number the extensions.

2.5、Bed Extension

1.Show patient information (name,age,responsible doctor, responsible nurse,nursing level, diet method,medical insurance level,sickness state level,drugallergy,security alert level,oxygen uptake time.)

2.Call forwarding.

3.Receive the signals of wireless infusion alarm.

4.Control expansions.(with 3 expansion interfaces:I for smart handle,2 for other equipments.)

Speaker
Answering Key
Mulicolour LCD Display
Infrared Receiver

2.4、Door Extension

1.Show the room number and the beginning bed No.and last bed No.of this room.It can replace the door plate.

2.Quick view of ward round record.

3.Reset the call.

4.Equipped with multicolour door lamp.can indicate different situation by different colour.

Mulicolour Door Lamp
Mulicolour LCD Display

2.6、Smart Handle (A corollary equipment of Bed Extension)

Function Keys
Function Keys
Color LCD Display
Switch
Mic
Call/Reset Key
LED Night Light

1.Connect the bed extension by USB multitap.
2.Make call,talk.
3.Check and show the information of doctor's advice,diet and tips.
4.LED night light.

2.7、Corridor Display

1.Show calling information
2.Show Time.
3.Show nurse location and other tip information.

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1 Bed calling
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2.8、Bath Extension

1.Make emergency call from bath room.
2.Receive the signals of nurse arriving and ward inspection.

Speaker
Infrared Receiver
Power Switch
Reset/Ward Round Key
Volume Key

2.9、Mobile Extension

(A wireless equipment for nurse carry)

1.Voice number telling of wireless call.
2.Hang up call.
3.Send the signals of ward inspection.

Emergency Call Button
Infrared Receiver

Speaker
Power Switch
Infrared Receiver
Reset/Ward Round Key
Volume Key

Power
Indicators
Addressable Switch
Antenna

2.10、Extra-bed Extension

It is used when extra beds needed in the ward.
It can make wireless call.

2.11、Connection Extension

1.Rely and amplify the wireless signals.
2.It is a pure back ground equipment and there is no need of any manual inter ventions when installed.

2.12、Wireless Infusion Alarm

It can automatically send the data by wireless to patient bed extension when the infusion's finfshed.
Or, it can use independently without the system.

Eter Star Components Parameter

1、Bed Extension

1.Range of work voltage:DC9~26V
2.Power consumption:1.2W
3.Max power consumption:4.8W
4.Audio distortion:<=5%
5.Range of frequency response:100HZ~10KHZ
6.Screen brightness: 250cd/mm2
7.Screen contrast:500:1
8.Wireless frequency:433MHZ
9.Wireless receiving range:100m(empty land)

2、Smart Handle

1.Range of work voltage:DC5V
2.Power consumption:0.5W
3.Screen brightness: 250cd/mm2
4.Screen contrast:500:1

3、Bath Extension

1.Range of work voltage:DC9~26V
2.Power consumption:0.5W
3.Max power consumption:1.2W

4、Door Extension

1.Range of work voltage:DC9~26V
2.Power consumption:1.2W
3.Max power consumption:5W
4.Screen brightness: 250cd/mm2
5.Screen contrast:500:1

5、Nurse Extension

1.Range of work voltage:DC9~26V
2.Power consumption:1.8W
3.Max power consumption:4.8W
4.Audio distortion:<=5%
5.Voice volume level:>90db(Max level)
6.Range of frequency response:100HZ~10KHZ
7.Screen brightness: 250cd/mm2
8.Screen contrast:500:1

6、Managing Host

1.Range of work voltage:AC220V
2.Power consumption:2.5W
3.Wireless frwquency:433MHZ
4.Wireless receiving range:100m(empty land)
5.Wireless transmit power:100mW

7、Mobile Extension

1.Power consumption:4mW
2.Max power consumption:0.37W
3.Charging voltage:DC5.1v
4.Battery capacity:>3.7V/400mAh
5.Voice volume level:>70db(Max level)
6.Wireless frequency: 433MHZ
7.Wireless receiving range: 100m(empyt land)
8.Wireless transmit power: 100mW
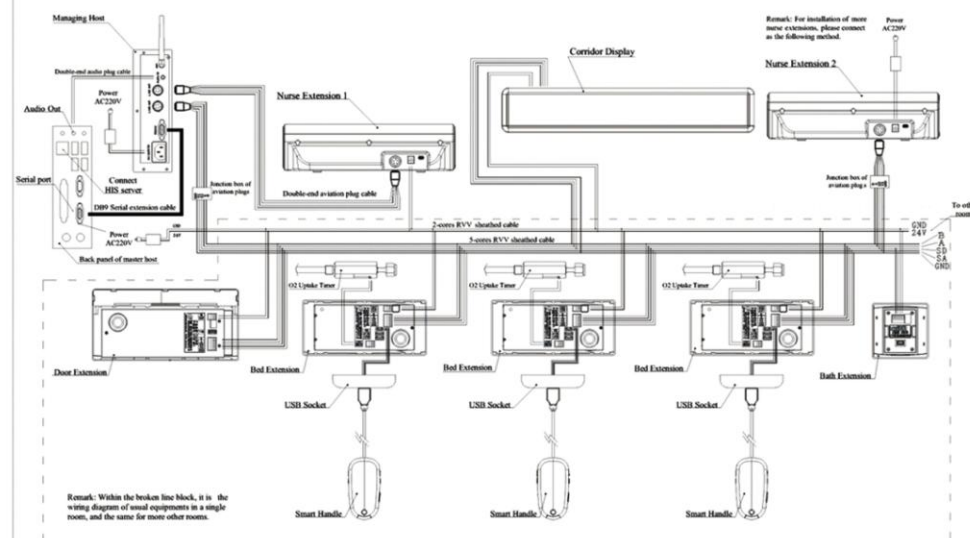9.Stand-by time: around 320 hours

8、Connection Extension

1.Range of work voltage:DC5V
2.Power consumption:0.5W
3.Wireless frwquency:433MHZ
4.Wireless receiving range:100m(empty land)
5.Wireless transmit power:100mW

9、Corridor Display

1.Range of work voltage:DC9~26V
2.Power consumption:10W
3.Max power consumption:20W

Eter Star System Wiring Diagram

Eter Star System Wiring Diagram(Bus Powered)

Managing Host
Corridor Display
Nurse Extension 2
Remark: For installation of more nurse extensions, please connect as the following method.
Power AC220V
Double-end audio plug cable
Power AC220V
Nurse Extension 1
Audio Out
Serial port
Connect HIS server
DB9 Serial extension cable
Power AC220V
Junction box of aviation plug
Double-end aviation plug cable
Junction box of aviation plug
2-cores RVV sheathed cable
5-cores RVV sheathed cable
To other rooms
GND 24V SD SA GND
Back panel of master host
O2 Uptake Timer
O2 Uptake Timer
O2 Uptake Timer
Door Extension
Bed Extension
Bed Extension
Bed Extension
Bath Extension
USB Socket
USB Socket
USB Socket
Smart Handle
Smart Handle
Smart Handle

Remark: Within the broken line block, it is the wiring diagram of usual equipments in a single room, and the same for more other rooms.

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