



Wireless Nurse Call System

Wireless nurse call system offers several benefits over traditional wired systems, improving efficiency, flexibility, and patient care in healthcare facilities.

Here are the key advantages:

1. Enhanced Mobility & Flexibility

- No Physical Constraints: Nurses and caregivers can receive calls anywhere within the facility via wireless devices (like pagers, or smartphones).
- Real-Time Alerts: Immediate notifications ensure faster response times, even if staff are away from the nurses' station.

2. Easy Installation & Scalability

- No Wiring Needed: Reduces installation costs and disruption to hospital operations.
- Expandable: Easily add new call points or devices without complex rewiring.

3. Improved Patient Safety & Satisfaction

- Faster Response Times: Wireless signals transmit instantly, reducing delays in emergency situations.
- Two-Way Communication: Some systems allow patients and staff to speak directly (via intercom or mobile devices).
- Voice recognition: Some device allow voice trigger command for some disable patients or elderly.

4. Integration with Other Systems

- Works with EHR & Smart Devices: Can link with electronic health records (EHR), RTLS (Real-Time Location Systems), and IoT devices for better workflow automation.
- Alerts via Multiple Channels: Notifications can be sent to smartphones, tablets, or hospital communication systems.

5. Cost-Effective & Low Maintenance

- Reduced Infrastructure Costs: No need for extensive cabling.
- Remote Updates & Troubleshooting: Software-based systems can be updated without physical modifications.

6. Better Staff Efficiency & Workflow

- Automated Prioritization: High-priority calls (e.g., emergencies) can be escalated automatically.
- Tracking & Reporting: Monitors response times and call logs for performance analysis.

7. Adaptability for Different Healthcare Setting

- Suitable for hospitals, nursing homes, assisted living facilities, and home care.
- Can be used for fall detection, wander prevention, and remote monitoring.

8. Future-Proof Technology

- Supports Wi-Fi, Bluetooth, or RF-based communication, making it compatible with modern smart hospital infrastructures.





10-inch Touch Nurse Desktop

Description

Central Display Unit (EL-CDU-POE) is designed base on easy to use and simple to use principle. Once configuration is done in master CDU, click the “Sync all” button will do the synchronization for the whole system. User can change floor map picture and edit the spot on the map easily. Simple and easy to use.

Product Features

- Model: EL-CDU-POE
- Input power: DC 12V@2A / PoE
- Rechargeable backup battery: 1 hours
- Wall-mount or desktop
- Protocol: LoRa / TCP-IP
- Tx distance: 1km (open)
- Call history logs with colourful performance indicator
- Pocsag pager output (optional)
- User floor map editable
- User configurable sound tracks for different alarms
- Remote accessible
- 4 alarm priority levels (Emergency, Alarm, Presence, Assistance)
- Duplicates all call information in real-time to multiple locations such as corridors and supervisor room
- CE and UKCA certified





Wireless Fall Prevention Pads

Description

- ✓ Wireless pressure pad sensors trigger alarm when a patient's weight is removed from the sensor.
- ✓ Wireless pressure pad sensors allow operators to monitor unauthorized wake up in real time from anywhere.

Product Features

- Model: EL-WPX
- Replaceable battery: CR2477 x 2
- Battery life: 1 years (10 calls per day)
- Low battery alert
- Red re-assurance LED visible alert
- Protocol: LoRa
- Tx distance: 1km (open)
- CE certified





Wireless Call Point

Description

Wireless Call Point has optional 5 colour buttons (Emergency, Alarm, Presence, Assistance and Reset).

EL-WCP supports extended handset (2M long cable), pressure bed pad and floor mat for fall prevention

Product Features

- Model: EL-WCP
- Replaceable battery: ER18505 (4000mAh)
- Battery life: 3 years (10 calls per day)
- Low battery alert
- Red and Green re-assurance LED visible alert
- Buzzer audible alert
- 6.35mm mono Input Jack for handset / bed pad / floor map
- Protocol: LoRa
- Tx distance: 1km (open)
- Optional 5 big and colourful buttons (Emergency, Alarm, Presence, Assistance, Reset)
- Handset cable length: 2M
- CE and UKCA certified





Wireless Toilet Call Point

Description

Wireless Toilet Call Point have 5 colour buttons (Emergency, Alarm, Presence, Assistance and Reset). The pull string has break-away to prevent suffocation. Easy to pull hook handle.

Product Features

- Model: EL-CPC
- Replaceable battery: ER18505 (4000mAh)
- Battery life: 3 years (10 calls per day)
- Low battery alert
- Red and Green re-assurance LED visible alert
- Buzzer audible alert
- Easy wipe clean silicone string
- Protocol: LoRa
- Tx distance: 1km (open)
- Pull string length: 1.5M
- Anti-suffocation break-away
- IP65 water-proof design
- CE and UKCA certified





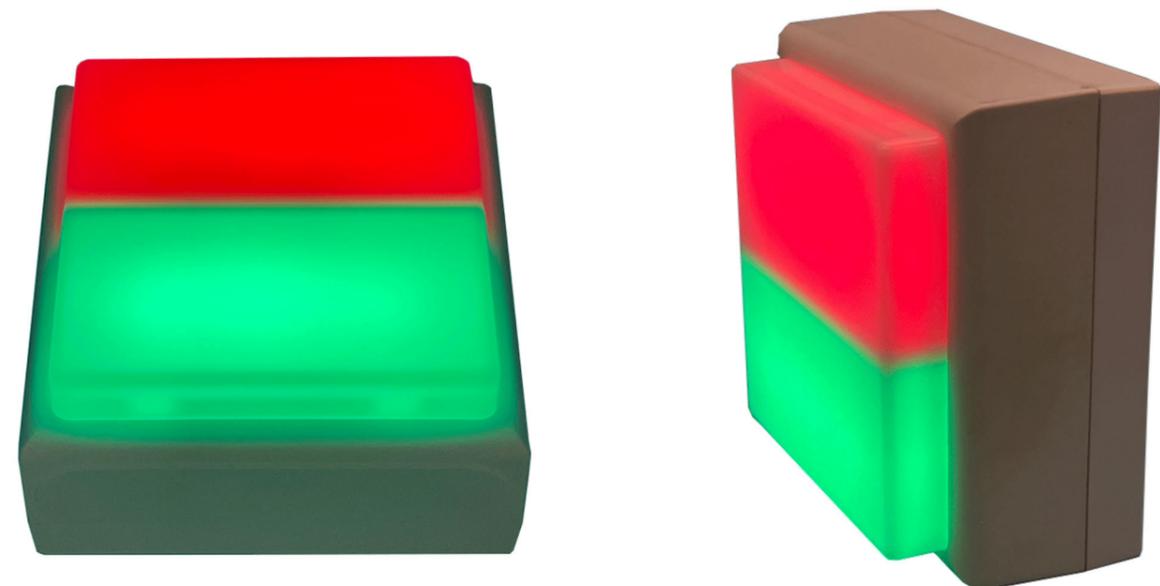
Wireless Over-Door Light

Description

Wireless Over-Door Light (EL-WLU) is installed in each room to indicate where the alarm from. The convex lens design allows user to see the alarm from sides.

Product Features

- Model: EL-WLU
- Input power: DC 5V@1A / PoE
- Rechargeable battery: ER18505 (1500 mAh)
- Backup battery: 2 hours
- Buzzer audible alert
- Volume Tune / Mute
- Low battery alert
- AC lost alert
- Protocol: LoRa
- Tx distance: 1km (open)
- Super bright LED arrays
- Good to view from sides
- CE and UKCA certified





Wireless Door Monitor

Description

Wireless Door Monitor detect the status of the door. It provides alert when door is un-authorized open. Support by-pass mode.

Product Features

- Model: EL-DOOR
- Replaceable battery: ER18505 (4000 mAh)
- Battery life: 3 years (10 calls per day)
- Red and Green re-assurance LED visible alert
- Buzzer audible alert
- Low battery alert
- Protocol: LoRa
- Support by-pass mode with 20 seconds timer
- Tx distance: 1km (open)
- Radio frequency: 433 / 868 / 915 / 923 (MHz)
- CE and UKCA safety certified





Mobile Wristband

Description

EL-IRX transmit IR signal to wireless call point. The system gets the location of wristband from call point location.

It can be used for human tracking or equipment tracking.

Product Features

- Model: EL-WTX
- Replaceable battery: CR2477 (1000 mAh)
- Battery life: 1 years (10 calls per day)
- Green re-assurance LED visible alert
- Low battery alert
- Protocol: LoRa / IR
- Tx Distance: 1km (open)
- Work with EL-WCP to provide location information
- IP65 water-proof design
- CE and UKCA certified





Mobile Fall Detector

Description

EL-IRF detect the fall action and transmit IR signal to wireless call point. The system gets the location of fall detector from call point location.

It can be used for human tracking or equipment tracking.

Product Features

- Model: EL-FALL
- Replaceable battery: CR2477 (1000 mAh)
- Battery life: 1 years (10 calls per day)
- Red and Green re-assurance LED visible alert
- Equipped with fall sensor
- Buzzer audible alert
- Low battery alert
- Protocol: LoRa / IR
- Tx Distance: 1km (open)
- Work with EL-WCP to provide location information
- IP65 water-proof design
- CE and UKCA certified





Android Nurse Call Apps

Description

Enlighten Nurse Call Apps works with EL-CDU to provide mobile apps alert.

(Assume local intranet is established for EL-CDU and Android Mobile)

Optional to have cloud version (needs cloud server subscription)

Product Features

- Model: EL-NCA
- Support OS: Android V.10 or above
- User login security
- Support add new user account
- Full alarm history log
- Support filter setting for different wards and rooms
- Large and user-friendly interface
- Support RFID(NFC) tag to reset / staff presence (optional)





Pocsag Pager

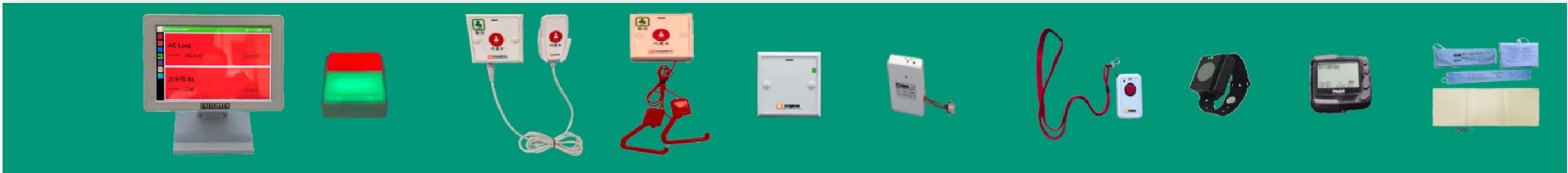
Description

EL-Pager works with EL-CDU to provide mobile alert.

Product Features

- Model: EL-PAG
- Portable, easy-to-use, alphanumeric pager
- 2-line / 4-line display
- Over 2000 hours of battery life depending on use
- Specially designed durable plastic casing
- Programmable by hand or USB software
- Vibrate and tone alert options
- Comes with protective holster and clip lanyard





Name	10" Nurse Station(Touch)	Wireless Over-door Light	Wireless Nurse Call	Wireless Toilet Pull Call	Wireless Door Monitor	Wireless Pad Transmitter	Wireless Fall Pendant	Wireless Wristband	Portable Pager	Pressure Pads
Part Number	EL-CDU-POE	EL-WLU	EL-WCP	EL-CPC	EL-DOOR	EL-WPX	EL-FALL	EL-WTX	EL-PAG	EL-PADS
Dimension(mm)	275(W)x180(H)x45(D)	86(W)x86(H)x50(D)	86(W)x86(H)x36(D)	86(W)x86(H)x36(D)	86(W)x86(H)x36(D)	60(W)x54(H)x14(D)	43(W)x66(H)x18(D)	32(W)x39(H)x15(D)	77(W)x53(H)x18(D)	10"x15"/20"x30"
Power Supply	DC-12V / PoE	DC-5V / PoE	4000mAh / PoE	4000mAh / PoE	4000mAh / PoE	2000mAh	1000mAh	1000mAh	1200mAh	-
Protocol	LoRa/TCP-IP	LoRa/TCP-IP	LoRa/TCP-IP	LoRa/TCP-IP	LoRa/TCP-IP	LoRa	LoRa/IR	LoRa/IR	POCSAG	-
Battery Life	2 hours (backup)	4 hours (backup)	3 years	3 years	3 years	2 years	1 years	1 years	1 year	-
Tx Distance	1km (open)	1km (open)	1km (open)	1km (open)	1km (open)	1km (open)	1km (open)	1km (open)	-	-
IP Rating	-	-	IP-65	IP-65	IP-65	-	IP-65	IP-65	-	IP-65
Low Batt. Alert	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-
AC Lost Alert	Yes	Yes	-	-	-	-	-	-	-	-
Device Lost Alert	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	Yes
Certificates	CE & UKCA	CE & UKCA	CE & UKCA	CE & UKCA	CE & UKCA	CE	CE & UKCA	CE & UKCA	CE	CE