



KTC MEDICAL Co.

Electronics Realizing
Innovative Ideas in Hospitals





COMPANY PREFACE

Kahroba Tarasheh Company (hereinafter referred to as KTC) is the leading manufacturer of smart electronic equipment for hospitals, ambulatory surgery centers, clinics, long-term care facilities, physician offices, medical assisted living centers, nursing homes, outpatient departments etc.

The applications for the KTC products include:

- Alarms and Communications
- Workflow Optimization
- Visitor Management
- Signage Management

KTC offers its systems both in wired or wireless technologies to facilitate its applications for different scenarios in a variety of types:

- Button-Based Systems
- Integrated Communications Systems
- Digital and Mobile Systems
- Intercom Systems
- Basic Audio/Visual Systems

KTC has acquired ISO9001 and EN ISO 13485 to certify the safety and efficacy of the medical devices it manufactures and, in the process, to obtain its CE certificate:

EMERGENCY CODE CALLING / GROUP NOTIFICATION & SUMMON SYSTEM



Conveying the emergency messages to mobile personnel in a fast and secure manner has critical importance which can not be compromised through usage of unreliable systems like telephone lines, voice pagers,

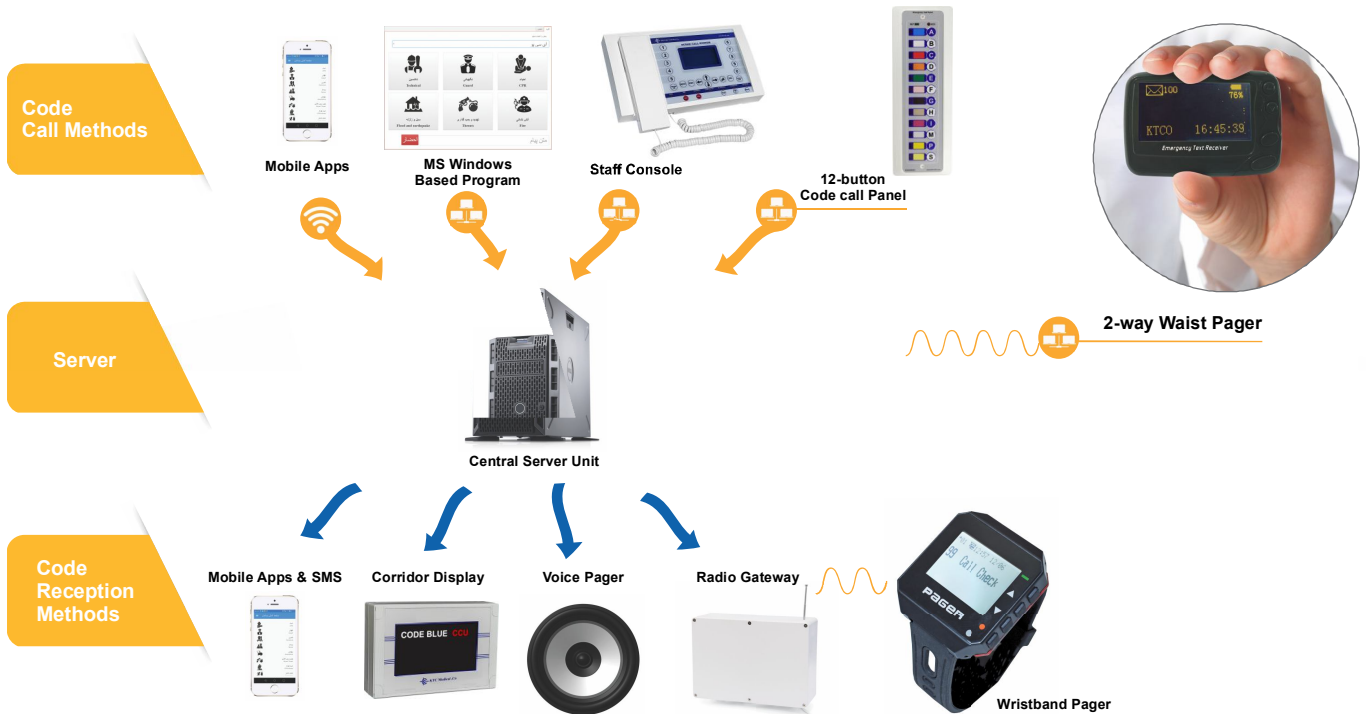
KTC offers the emergency code calling using a special panel to the radio pagers and mobile handsets of the corresponding personnel in a secure environment without any human/technical error involvement in a fast and secure manner. It also serves as a group summon system by playing a pre-recorded voice message from the speakers in the facility.

This system needs no extra wiring added to the legacy system and uses the existing LAN/WAN network.

Main Features:

1. Easy, fast and secure access to mobile personnel
2. Integration with nurse call and signage systems
3. Report generation capability
4. Customized messaging capability for special groups
5. Short Message Service (SMS) capable for personnel with mobile phones
6. 2-way radio pager messaging with read proof capability

7. Visual code display monitors
8. Unlimited code assignments capability
9. Easy group definition and report acquisition and tracing
10. Diversity in code calling methods
11. No intermediate operator involved
12. Maximum 3 seconds code-transmit delay
13. No radio signal blind spot in the facility due to gateway implementation
14. Low cost due to using the LAN/WAN Network





MEDICAL BEDSIDE INFOTAINMENT ALL-IN-ONE

Providing an easy touch-based user interface for both patients' entertainment and physicians' HIS - based data acquisition.

Main Features:

- Live T.V., on-demand video & music playback for patient
- Computer games entertainment for patient
- Pre- & post-surgery care educational packages for the patients
- Nurse call functionality
- Patients' data monitoring through HIS
- Catering services for the patients

**Management
Center**



Central Server Unit/DVB Card
Module/HIS-VOIP Module



Management All-in-One Unit

**Patient
Service Console**



Patient Handset



HIS-VOIP Module



Patient's All-in-One + Extended
Reach, Wall-mounted Arm

**Room
Ward
Corridor**



Pull Cord Nurse Call
+ Cancel/ Presence Switch



Corridor Status Light



RFID-capable Workflow
Management Terminal



HOSPITAL DIGITAL SIGNAGE SYSTEM

Bringing the hospital signage displays into versatile usages through software deployment. It can be used both inside the patients' sections or in public areas of the facility. It is deployed using the LAN legacy network of the facility at no extra wiring cost.

Main Features:

- List of patients display grouped by section or physician
- Graphical location display of nurse calls in each section
- Surgery section's patient condition display for the family members
- Communicating general information about the facility to the public
- Guiding the public on how to access different sections of the facility
- Queue management application



Queue Management Display



Nurse Call Location Display



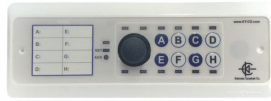
Entertainment & Advertisement Display



Patients Display sorted by the Physician



Surgery Patients' Condition Display



Display content control Panel

SMART NURSE CALL SYSTEM



Management Center



Terminal Box



Staff Console



Management Software



RFID Card



RFID Tag

Patient Service Console



RFID/ Display Intercom Panel



Pear Push Nurse Call Switch



Patient Handset

Room Ward Corridor



Cancel/ Presence Switch



Corridor Status Light



Pull Cord Nurse Call + Cancel/ Presence Switch

The most advanced nurse call system made by KTC capable of integration with hospital emergency code calling and information system with touch display and RFID card features.

Main Features:

- HIS database integration
- Patients particulars touch-panel display
- 6 emergency code calling capability from the patient's panel
- RFID card/tag nurse call cancellation
- 12 emergency code calling capability from the staff console
- Radio, T.V. and room light control capability
- Nurse call prioritizing in 3 levels: normal, emergency and critical
- 2-way voice communication through intercom panel
- Remote managerial reporting capability



NETWORK INTEGRATED REPORTING NURSE CALL SYSTEM

Management Center



Terminal Box

Staff Console

Corridor Dot-Matrix Display

Managerial Reporting PC

Management Software

Call Voice Recorder

Patient Service Console



Patient Handset

Pear Push Switch



2-way Voice Communication Panel

2-way Voice Communication Panel

Room Ward Corridor



Pull Cord Nurse Call + Cancel/ Presence Switch

Corridor Status Light

Cancel/Presence Switch

This is the second-best nurse call system offered by KTC. It can integrate with Hospital Information System(HIS) accompanied by limited emergency code call features.

Main Features:

- Remote managerial report generating through Legacy WAN/LAN
- Record, monitor and analyze call types and staff performance
- Call response delay and breach monitoring
- Customizable report formats
- 12 emergency code calling capability from the staff console
- Nurse call prioritizing in 3 levels: normal, emergency and critical
- 2-way voice communication through intercom panel
- Radio, T.V. and room light control capability
- Call voice recording and dot-matrix display accessories



INTERCOM NURSE CALL SYSTEM

Management Center



Staff Console



Corridor
Dot-Matrix Display



Terminal Box

Patient Service Console



Pear Push
Nurse Call Switch



2-way Voice
Communication Panel



2-way Voice
Communication Panel

Room Ward Corridor



Pull Cord Nurse Call + Cancel/
Present Switch



Corridor Status Light



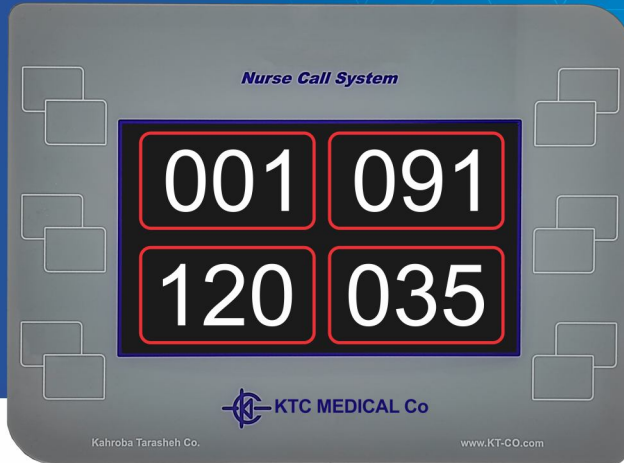
Cancel/ Presence Switch

The generic KTC nurse call system with 2-way voice communication capability. It can also activate 12 emergency code calls via the staff console.

Main Features:

- 12 emergency code calling capability from the staff console
- Nurse call prioritizing in 3 levels: normal, emergency and critical
- 2-way voice communication through intercom panel
- Radio, T.V. and room light control capability

BASIC NURSE CALL SYSTEM



Terminal Box



Staff LCD Display

Management
Center

The KTC basic low-cost nurse call system with 120-entry queue management capability.

Main Features:

- Nurse call bed-number only display capability
- Nurse call room-number only display capability
- Display of the first 4 calls along with melody alarm
- Chronological queue management on the first 120 nurse calls in a maximum 240-bed facility
- Simple and low-cost



Nurse Call+ Cancel/
Presence Switch



Nurse Call Switch
+ Pear Push Socket



Cancel/ Presence Switch
+ Pear Push Socket



Pear Push
Nurse Call Switch

Patient
Service Console



Pull Cord
+ Cancel/ Presence Switch



Corridor Status Light



Cancel / Presence
Switch

Room
Ward
Corridor

WIRELESS NURSE CALL SYSTEM



Management
Center



Wireless Staff Seven Segment Display

Patient
Service Console



Pear Push Nurse Call Switch



Wireless Nurse Call
+ Cancel/
Presence Switch + RJ11 Socket

Room
Ward
Corridor



Wireless Pull Cord
+ Cancel/ Presence Switch

The simplest nurse call system offered by KTC with no need for wiring or legacy cabling, applicable to all different layout configurations of the facility.

Main Features:

- Low cost
- Simple installation
- Applicable to any layout configuration
- Mobile patient support capability

SURGICAL INTERCOM SYSTEM



Staff Console

Contactless Nurse Call + Cancel/
Presence Switch Intercom Panel



Microphone
+ Nurse Call Switch



Hot Line Unit



KTC offers contactless intercom panels and hot lines for fast and secure communication between the physicians, nurses and laboratories.

Main Features:

- Contactless call from surgery room to nurse center
- 2-way voice communication intercom
- Voice recording capability
- Simultaneous communication between one Nurse center and multiple surgery rooms
- Microphone and speaker volume control buttons
- Hot-line capability



KTC MEDICAL Co.



Website

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