

TRANSTEL

IP Digital Nurse Call System



IP Digital

New communication technology enhances system reliability and flexibility significantly. In contrast to conventional designs, IP digital systems require fewer cables, IP addresses, and power resources. Additionally, they offer superior sound quality and quicker responses to service requests.

Ready for Next Gen.

The system possesses the capacity for software/firmware upgrades and hardware expansion. It can seamlessly integrate into existing hospital communication systems and connect to various sensors as required.

System Advantage

- ✓ Reliable
- ✓ Easy Installation
- ✓ Low Maintenance
- ✓ Expanable
- ✓ Energy Saving
- ✓ Compatible



Event Logger

The server logs all voice calls and triggered events.



SOP

Any service requests should follow an SOP for cancellation to prevent any oversights.



System Integration

Customized middleware for seamless integration with the existing hospital IT system.



Customization

Customized design tailored to meet the service objectives of the hospital.

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more info



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Nurse Station

The nurse call server serves as the central component of the system, overseeing voice communication and service requests for up to 100 rooms and 1,000 beds.

In the event of a call originating from a ward, both the console and system display will indicate the caller's room and bed number, with the voice conversation being recorded.

Moreover, activation of any emergency button triggers the console and system to display the room/bed number and the type of emergency.



Ward

The digital gateway serves as the intermediary link connecting wards to the nurse station.

Communication between the server and the digital gateway is facilitated through the utilization of the IP protocol. Meanwhile, the communication between bed terminals and the digital gateway is established via a 2-wire digital protocol, with each digital gateway capable of accommodating up to 8 bed terminals.

Bed terminals play a vital role in enabling voice communication between patients and the nurse station. They also facilitate the transmission of service requests from the ward to the nurse station, including urgent notifications such as code blue, emergencies, and requests for assistance.

Moreover, a multi-color corridor light is positioned outside each ward along the corridor. This light illuminates and flashes various colors to signify different statuses or conditions.

Furthermore, beyond the existing buttons and lights, the bed terminal is designed with reserved expandable ports to support the integration of additional IoT devices, such as wearables, live monitors, and environmental sensors, enhancing the system's capabilities and flexibility.