

MC7111A

10-Inch Nurse Station Management Console



Description

The MC7111A Nurse Station Management Console is the central management device of the intelligent nurse call system. It is designed for installation at the nurse station to provide efficient communication and centralized management of bedside terminals, ward door stations, and other ward devices.

Equipped with a high-definition touchscreen and an intuitive operating interface, the console enables medical staff to handle patient calls, monitor ward status, and manage communication across the entire nursing area in real time. It supports voice intercom, call display, alarm notification, and information management, helping improve nursing efficiency and enhance patient care quality.

The system adopts network-based communication technology, ensuring stable performance, flexible deployment, and easy integration with modern hospital information systems.

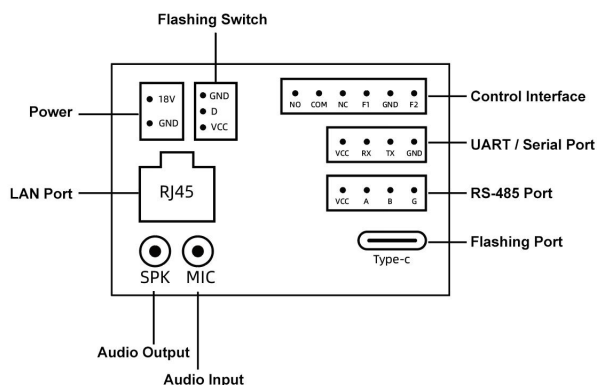
Features

- **Centralized Call Management:** Supports real-time reception, display, and management of calls from bedside terminals, bathroom emergency buttons, and ward door stations.
- **Two-way Voice Intercom:** Provides clear full-duplex voice communication between the nurse station and patient terminals for efficient response.
- **High-definition Touchscreen Operation:** Equipped with a large HD touchscreen for intuitive operation and quick access to system functions.
- **Real-time Ward Status Display:** Displays room information, patient status, and alarm notifications clearly, allowing nurses to monitor ward conditions at a glance.
- **Priority and Alarm Handling:** Supports priority call handling and emergency alarm notifications to ensure urgent situations are addressed immediately.
- **Network-based Communication:** Adopts IP network communication for stable data transmission and convenient system expansion.
- **Flexible System Integration:** Can be integrated with other hospital systems such as ward display systems, corridor displays, and door light indicators.
- **Stable and Reliable Operation:** Industrial-grade design with stable performance suitable for continuous operation in medical environments.

Specifications

Model	MC7111A
Screen Size	10 inches
Screen Brightness	300 cd/m ²
Camera (Optional)	8 MP; adjustable angle approx. 35°; sliding cover design for privacy protection
Resolution	10": 1280 × 800 px
Main Chip	Quad-core Cortex™-A53, 1.8 GHz
Memory	1 GB (standard)
Storage	8 GB (standard)
Video Formats	MP4, AVI, MKV, MOV
Audio Formats	MP3, AAC, WAV
Image Formats	JPEG, PNG
Network	10/100 Mbps adaptive
Communication Protocols	TCP, UDP, RTP, ARP, IGMP, HTTP, SIP / Cellular
Interfaces	Power interface ×1, RJ45 ×1, Flashing switch ×1, Type-C ×1 (convertible to USB with adapter), Serial port ×1, RS-485 interface ×1, Control interface ×1, Audio output ×1, Audio input ×1
Other Features	RGB three-color indicator light (configurable to multiple colors); Supports IC card, Bluetooth, and WiFi (optional); Bluetooth: version 4.0 or above; WiFi: supports 2.4 GHz band; External hardware watchdog to prevent system crashes
Handset	Magnetic handset design
Physical Buttons	Emergency support button, Hands-free button, Hidden screen on/off button, Hidden restart button
Touch Control	Multi-point capacitive touchscreen, supporting 10-point touch and operation with gloves
Operating System	Android10
Power Supply	DC 18–24V or standard PoE
Standby Power Consumption	10": < 7 W
Working Power Consumption	10": < 5 W
Operating Temperature	-40°C ~ +65°C
Installation Method	Desktop placement

Mainboard Interface Details



Note: Before firmware flashing through the Type-C flashing interface, short-circuit the VCC and D ports of the flashing switch. During the flashing process, disconnect them afterward.