

MAG206FD

Explosion-Proof Networked Industrial Intercom Terminal



Description

The MAG206FD is a flameproof, waterproof, and dustproof analog-to-digital conversion device operating on an embedded Linux system, providing stable and reliable performance. It features a built-in 3W speaker and microphone, supporting hands-free communication, broadcast reception, and live monitoring. With integrated echo cancellation and howling suppression algorithms, it effectively prevents acoustic feedback and intercom echo. The device supports one short-circuit trigger input, allowing an external alarm button to activate preset audio sources on the server for linked broadcast triggering. It also provides one short-circuit output for controlling other devices in emergency situations. The unit adopts a minimalist appearance with a screw-hidden design, ensuring a cleaner and more aesthetic panel. With high operating efficiency, it is suitable for a wide range of application scenarios.

Features

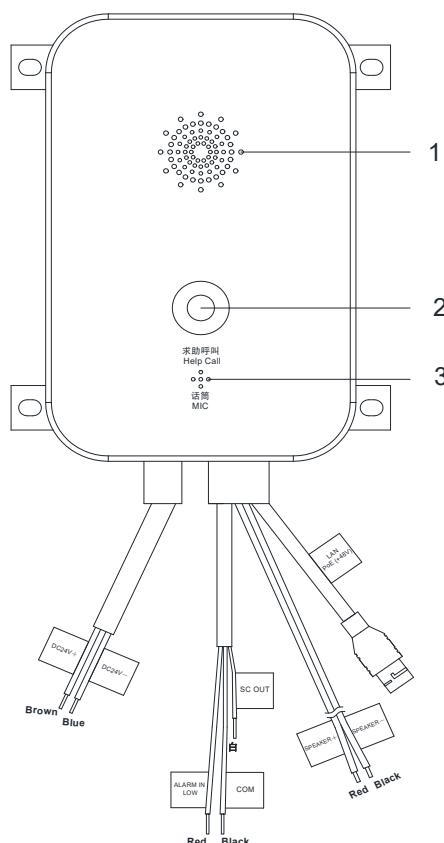
- Runs on an embedded Linux operating system, providing stable and reliable 7x24 continuous operation.
- Features a minimalist appearance with a screw-concealed panel design for a cleaner and more aesthetic look.
- Single-key design (with call target pre-configured on the server) enabling full-duplex intercom with the paging station.
- Capable of playing background music, scheduled broadcasts, emergency paging, and alarm signals from the system host.
- Supports the standard SIP communication protocol and can connect to customer SIP telephone systems, enabling remote paging and full-duplex intercom with mobile phones and SIP phones.
- Equipped with a 3W speaker and microphone, supporting hands-free communication, broadcast reception, and live monitoring.

- Incorporates echo cancellation and howling suppression algorithms to effectively prevent acoustic feedback and intercom echo.
- Supports one short-circuit trigger input for connecting an external alarm button to activate preset audio sources on the server for linked broadcast triggering.
- Supports one short-circuit output for controlling external devices during emergencies.
- Supports both PoE and DC power supply.
- Supports web-based configuration of SIP parameters.
- External amplifier output power: 15W/8Ω via PoE digital amplifier, 30W/4Ω via DC supply.
- Industrial-grade explosion-proof design: waterproof, dustproof, explosion-proof, rugged and durable, with good sealing.

Specifications

| Model | | MAG206FD |
|--------------------------------|----------------------------|----------------|
| Network Output | Input Sensitivity | -10dB |
| | Frequency Response | 20Hz-20kHz |
| | Distortion | ≤0.43% |
| Maximum Amplifier Output Power | Signal-to-Noise Ratio | ≥75 dB |
| | DC Power Mode | 30W 4Ω |
| Output Power | PoE Power Mode | 15W 8Ω |
| | Package Dimensions (L×W×H) | 415×320×155mm |
| Unit Dimensions (L×W×H) | | 251×163.5×78mm |
| Gross Weight | | 4.1kg |
| Net Weight | | 3.85kg |

Front / Rear Panel



1.Built-in Speaker
2.Emergency Call button
3.Built-in Microphone
Used for voice input during emergency intercom calls.

| Wiring Description | |
|--------------------|---|
| LAN (PoE +48V) | PoE input port, connected to a PoE 802.3at port |
| SC OUT | Short-circuit trigger output |
| COM | Ground wire |
| ALARM IN LOW | Alarm input interface |
| DC24V- | Negative power input |
| DC24V+ | Positive power input |
| SPEAKER+ | Positive speaker output |
| SPEAKER- | Negative speaker output |