

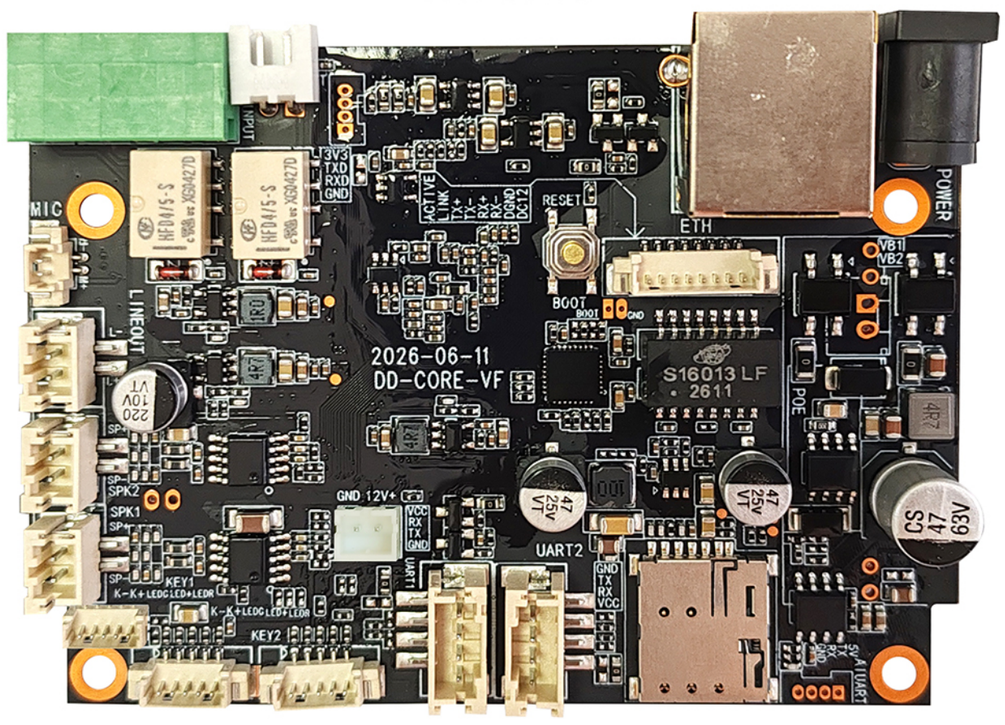
IP Intercom Core Board

This three-proof full-featured intelligent core board integrates lightning protection, PoE power supply, 4G/WiFi/Bluetooth wired multi-mode communication, AI voice recognition, dual-channel 30W audio power amplifiers and multi-channel IO interfaces into its hardware design. It is software-compatible with SIP and proprietary protocols, supports full-end connec -tivity with APPs, mini-programs and cloud platforms, and allows on-demand function customization, making it an ideal solution for security intercom terminal devices.

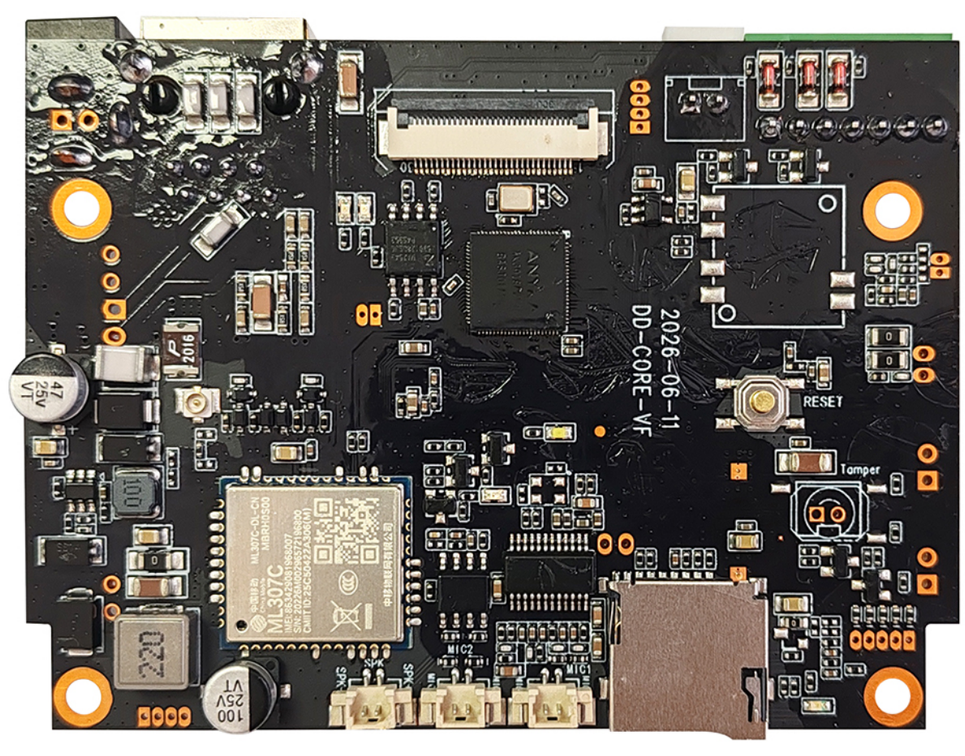
- ☑ SIP / Proprietary Protocol Support
- ☑ Lightning Protection
- ☑ 4G / WiFi / Bluetooth / Wired Connectivity
- ☑ PoE Power Supply
- ☑ 2 * 30W Speakers
- ☑ AI Voice Recognition
- ☑ Dual-color Button Indicator Light
- ☑ Full-duplex Voice Intercom
- ☑ High-sensitivity Pickup Microphone
- ☑ Active monitoring with alarm-triggered automatic recording
- ☑ Real-time and scheduled broadcast
- ☑ Support for external audible and visual alarm lamp
- ☑ IP network architecture with cross-network segment and cross-router support
- ☑ Compatible with mobile APP, WeChat Mini Program and cloud management platform; personalized functions customizable on demand

Physical Board Diagram:88mm×66mm×20mm

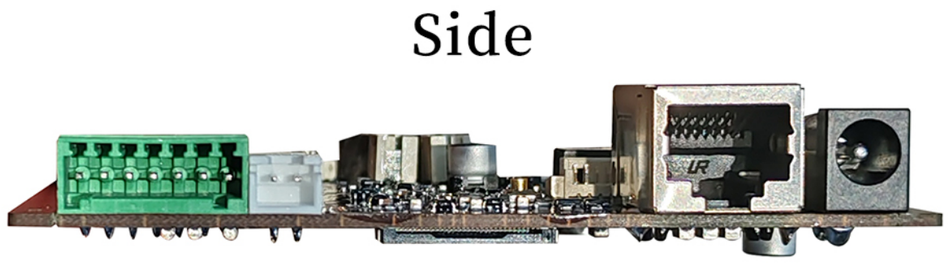
Front



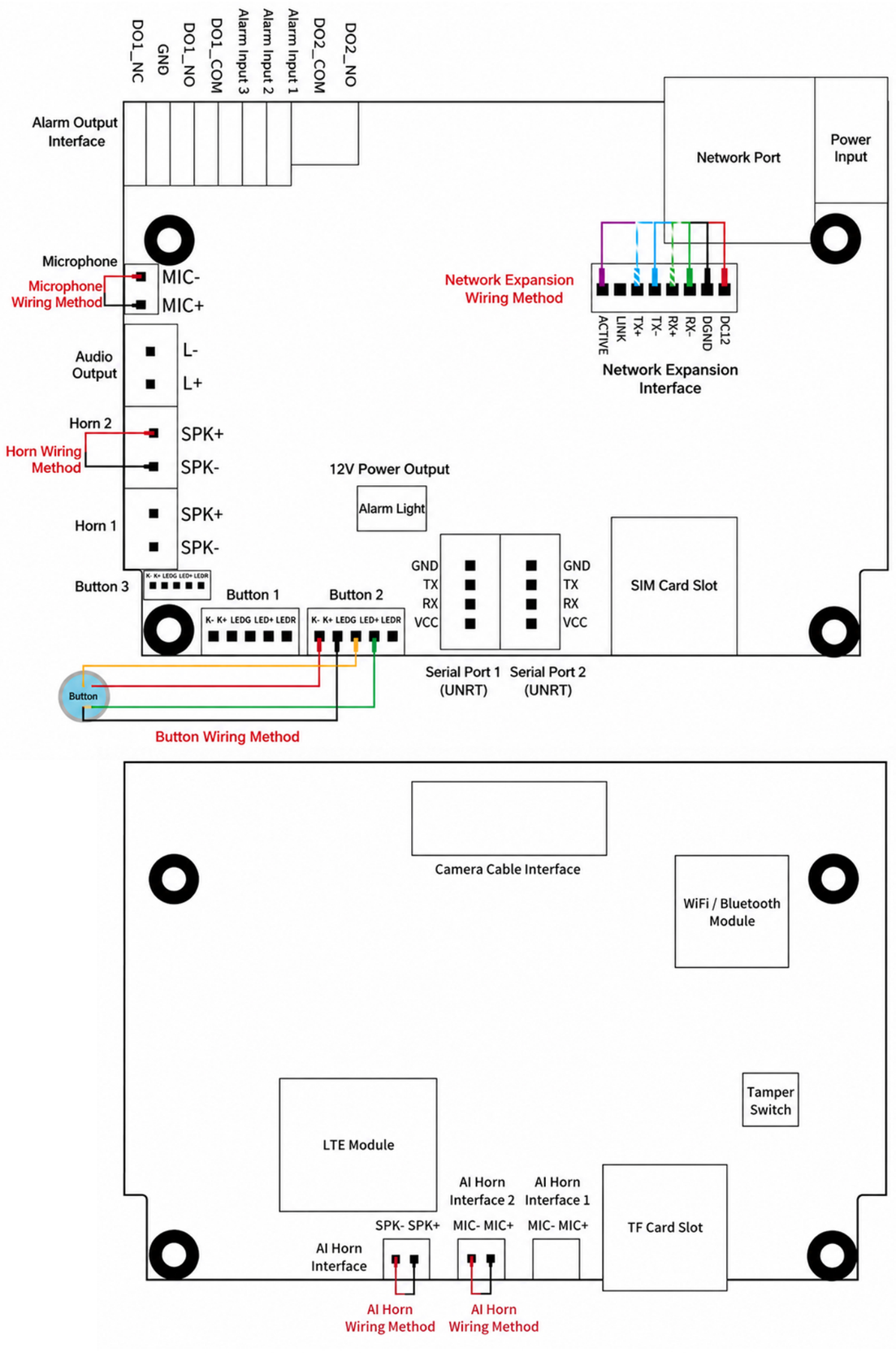
Back



Side



Equipment Core Board Wiring Diagram



Technical Parameters

Operating System	Embedded Linux Operating System	Power Amplifier Output	1 Channel
Processor	High-performance Embedded SOC Processor	Serial Port	1 Channel
Network Port	10/100M Auto-adaptive Ethernet Port	TF Card	Support
Key Interface	1 Channel (with indicator light)	Power Supply	DC 12V
Alarm Light Interface	1 Channel 12V Output	Dimensions	88mm × 66mm × 20mm
Input Interface	3 Channels	Operating Temperature	-35°C ~ 75°C
Output Interface	2 Channels		