Microphone T-8802F

Embedded software: IP terminal embedded software V2.113

Description

Desktop paging microphone, suitable for use in various alarm centers, duty rooms, leadership offices, etc. Supports AI warning information display. It can realize one-way broadcasting (point-to-point, partition or full area) to the sound reinforcement terminal in the system, or initiate two-way intercom, multi-party discussion and monitoring functions to the intercom equipment.

Features

*Desktop design, with a 10.1-inch high-definition IPS screen, a resolution of 1024x600, clear display, and support for touch control. Supports entering sleep mode, low power saving mode, and supports account and password management.

*It comes with digital keys and function key interface. It supports calling zones and multiple zones, calling the whole zone broadcast; it supports direct operation to call or intercom any terminal; it supports direct operation to monitor (environmental monitoring) any terminal according to the actual environment, and the monitoring distance reaches 5m.

*It has a custom button that supports custom music playback, intercom, and broadcasting functions; it has an emergency alarm button that supports one-touch alarm broadcasting function.

*Built-in 2×3W(MAX) full-range high-fidelity speaker units can clearly restore call sounds and ensure call quality.

*It has 1 USB interface, supports free on-demand playback of local audio files, and also supports customized encryption management UKey function.

*It has 1 3.5mm headphone output interface and 1 3.5mm MIC input interface, matching most headphones and portable microphones on the market.

*It has 1 audio line output interface, which can be used to expand the power amplifier; it has 1 audio line input interface, which provides multi-source audio transmission.

*It has 1 alarm trigger short-circuit output interface, which can be used to cascade external warning equipment or control access control; it has 1 short-circuit input interface, which can be used to trigger preset voice prompts (or alarms), and can also be used to control access control linkage input short-circuit signals.

*The dual network interface design and the terminal support redundant backup function effectively avoid the problem of the device being unable to permanently connect to the system due to a single point of failure.

*Built-in network audio decoding, supports mainstream audio formats such as MP3, WAV, FLAC, OGG, AAC, OPUS, and is compatible with the full sampling rate of 8kHz-48kHz.

*The device adopts ARM architecture high-performance quad-core CPU chip and exclusive audio algorithm processing technology, designed as a miniaturized hardware module, built-in DSP audio processing, supports ultra-low latency digital mixing, and 10-band EQ equalization configuration.

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*It supports remote playback and local on-demand functions, supports obtaining audio sources from USB, local storage, and network storage, and can play audio sources to any terminal in the system; it supports 100 levels of custom audio priority mute control (supports multi-channel signal amplification, mixing, three-level priority control, and tone adjustment).

*It supports help signal ringtones, flashing light prompts, one-click help acceptance and intercom functions. It also supports hands-free calls and broadcast reception for quick connection.

*The device supports full-duplex two-way intercom function, as well as 12-way multi-party conference call function, which can be expanded to 128-way multi-party intercom and call (need to be customized), and supports multi-party call visualization. The device comes with echo cancellation suppression function to ensure clearer call effect.

*Supports automatic answering, manual answering, and customized answering prompt tone; supports customized settings for transfer time, no answer time, and call waiting time.

*Built-in intelligent voice recognition wake-up function, supports voice control of task execution, end, previous song, and next song.

*It supports the display of holiday blessing pictures, can customize the display of blessing pictures, and supports the synchronous display of song lyrics.

*Supports local volume setting, balanced volume control, and task volume control.

*Supports broadcast system equipment list management, real-time status monitoring and display.

*Supports local IP, DHCP, IPv4, domain name management, and server connection and status monitoring.

*Supports remote firmware upgrades and performs maintenance on terminal devices through the network, effectively reducing the workload of maintenance personnel.

*The system uses a data redundancy encoding and decoding algorithm and supports anti-packet loss recovery function. When the network packet loss rate is 37.5%, the audio playback is smooth.

*Supports AI warning information viewing, event processing, recording playback, and real-time intercom operations.

Specification

Network interface	Standard RJ45×2 input
Supported agreement	TCP/IP, UDP, IGMP, ICMP
Audio format	Supports mainstream audio formats such as MP3, WAV, FLAC, OGG, AAC, OPUS, etc.
Sampling rate	8kHz-48kHz
Transfer rate	100Mbps
Audio mode	16-bit CD-quality sound
Display size	10.1 inches
Screen resolution	1024x600
Screen type	IPS display
Keyboard type	Virtual QWERTY keyboard
Keyboard input method	Touch
Local speaker output power	8W(MAX)
Total harmonic distortion	≤1%
Frequency response	80Hz-16kHz (+1dB/-3dB)
Signal-to-Noise ratio	≥65dB
PHONE OUT output impedance and maximum power	32Ω，40mW（MAX)
LINE OUT output level	1000mV Industrial Standard Crimp Terminal Blocks
LINE OUT output impedance	470Ω
LINE IN input sensitivity	350mV Industrial Standard Crimp Terminal Blocks
MIC input sensitivity (unbalanced)	120mV
USB interface	USB2.0 speed/480Mbps
Short circuit input	Dry contact input
Short circuit output	Maximum 1A/30VDC dry contact
Operating temperature	5℃~40℃
Operating humidity	20%~80% relative humidity, no condensation
Power consumption	≤12W
Input power	DC12V/1.5A
Net weight	1.02kg
Dimensions (L x W x H)	272.6×144.3×67.9mm