



### Specifications:

Model	TCI-508S
Description	Digital IP Network Touch Screen Microphone Built in System Server 50 Terminals
Network interface	Standard RJ45
Power supply	DC 12V/3A
MIC input sensitivity	10mV
Max power Consump	≤10W
Line input level	300mV
Display size	7 inches
Built-in speaker	8Ω&3W
Line Out	>0.775V&1KΩ
Audio bit rate	8Kbps~320Kbps adaptive
Frequency response	80Hz~16kHz +1/-3dB
Signal-to-noise ratio	≥75dB
Sampling rate	8K~48KHz
Audio format	MP3/MP4/MKV/FLAC/WAV
Total harmonic distortion	THD+N≤0.3%
Transmission rate	100Mbps
Standby power	≤1W
Working temperature	-5℃~40℃
Working humidity	20% to 80% relative humidity, no condensation
Size	250×170×75mm
Weight	1.5Kg

## Features:

- ◆ Black aluminum oxide brushed panel, laser cutting process, desktop design, integrated metal forming process, professional and high-grade appearance;
- ◆ 7-inch true-color LCD display, supports touch operation, humanized man-machine interface, simple and fast;
- ★ Embedded server structure, desktop design, Linux operating system, no fear of virus intrusion, high stability and reliability;
- ★ This server can manage and control 50 IP network terminals, and can realize daily broadcast functions such as mutual intercom, passive or active broadcast call, audio collection and broadcast push, fire linkage alarm, etc., with rich and flexible program sources;
- ★ The server host can support client login control. After authorization by the host, users can perform broadcast operations on any PC host through the client software;
- ★ 4G module is optional, which is convenient for the occasion without wired network;
- ★ High-end six-core 64-bit high-performance ARM chip, memory 2GB, cache 8GB high-speed solid-state EMMC, can store 1100 minutes of MP3 (192kbps) or 3300 minutes of m4a (64kbps) programs, stable performance and fast operation;
- ★ Support NTP automatic time adjustment;
- ◆ Circuit design with multiple security functions: power supply voltage monitoring, current limiting, automatic restart of the terminal accidental crash, multiple lightning protection, anti-static damage, to ensure trouble-free work around the clock;
- ◆ Anti-electromagnetic interference design, moisture-proof technology, strict material selection of components, and can work under the condition of  $-20^{\circ}\text{C} \sim 70^{\circ}\text{C}$ ;
- ◆ Support the remote firmware upgrade of the terminal by the broadcasting system, without going to the terminal to upgrade locally, reducing the workload of maintenance personnel;
- ◆ Adopt PCM software audio decoding scheme, high fidelity;
- ◆ Support network search configuration, no need to know the terminal IP address, can directly address configuration;
- ◆ With a red emergency warning button, when there is an emergency, press this button to start the broadcast warning in time;
- ◆ Supports on-demand programs in this media library, supports the broadcast call function through the microphone, and the broadcast delay is less than 50 milliseconds;
- ◆ Real-time status feedback, the display screen can display real-time partition list, partition terminal status and other information;
- ◆ With monitoring function, it is used to monitor the music played by other terminals or the collected environmental sound;
- ◆ Support a variety of call strategies, including call waiting, call transfer, no answer reminder; automatic answer, manual answer, support custom answer prompt tone, support transfer time, no answer time, call waiting time customization;
- ◆ It has the function of two-way intercom with each terminal, Internet + smart cloud audio and video emergency broadcast paging sub-control microphone;
- ◆ Built-in high-fidelity 3W/8Ω full-frequency monitor speaker to realize network monitoring;
- ◆ It has the function of starting the whole area broadcast with one key, and supports the function of one key start for multiple shortcut zone broadcasts;

- ◆ Broadcast and operate the whole area, partition, group and fixed point of each terminal through the touch screen;
- ◆ Shortcut keys can be customized, and users can customize broadcast shortcut keys according to their needs, which is convenient for customers' operating habits.
- ◆ It has the function of collecting and broadcasting local U disk MP3, line, microphone and other audio sources to the designated terminal;
- ◆ It has the function of broadcasting the sound source of the media library of the local on-demand platform to the designated terminal;
- ◆ Support the platform to set the priority level and authority of the machine;
- ◆ With real-time clock display and support automatic time calibration function;
- ◆ It has the function of setting and modifying the local IP address;
- ◆ It has a standby interface that supports the interface to adjust the monitoring volume function;
- ◆ With digital password protection function, enter the password to enter the menu operation;
- ◆ With USB2.0/USB3.0 socket, support U disk playback;
- ◆ With RS232 interface, it is convenient for external control of external equipment;
- ◆ With 1 channel 3.5 audio input interface (extendable external program source, support collection and playback function) with adjustable sensitivity and 1 channel 3.5 audio output interface (can be connected to active speakers to expand monitoring power);
- ◆ Comes with a 3.5mm standard audio interface, which can be connected to a dedicated microphone, which is convenient for expanding non-hands-free calls and used for private calls.
- ◆ With 1 short-circuit output interface and 1 short-circuit input interface (the function can be edited, the trigger scheme and the number of trigger terminals can be set arbitrarily, music playback, linkage output, display, etc.);
- ◆ High-quality broadcast shouting, super directional microphone, 48kHz sampling rate, high-fidelity sound quality, light ring prompt (anti-mobile phone, electromagnetic, high-frequency interference);
- ★ Applicable to a variety of network environments: adopt TCP, UDP, unicast and multicast mixed transmission protocols, automatically switch in different scenarios, support static IP and DHCP, all terminals can cross routes, cross Internet networks, audio fault-tolerant coding technology It can also work normally in the case of 5% packet loss;
- ◆ Built-in network isolation and lightning protection processing circuit