

Public Address System Central System Controller

Model no.: KNTD-200PA



The IP networked system controller using an Audio over IP protocol that supports AES67 for audio and using AES70 for control;

The system based on a single system controller support 200 system devices and 1000 zones;

The system support 200 simultaneous channels for music routing and making calls;

The system using an uncompressed, high- definition digital audio format with 24 bit sample size and 48 kHz sample rate;

- The IP networked system controller designed exclusively for use with the PA system.
- Monitor N+1 amplifier devices detection
- A/B system Main server can choose active/standby hot backup;
- Dual power redundancy;
- Dual network port redundancy;
- Front-panel Light Emitting Diode (LED) indications status;
- Certified for EN 54-16 and ISO 7240-16, marked for CE and be compliant with the RoHS directive;
- Manage the devices in the system and system configuration;
- Audio storage and playback.;
- Fault events record;
- Rack mountable (1U).

| Function

- A system capable of controlling at least 200 IP devices and serving at least 1000 regions;
- A+B dual redundant system controller option for highest system availability;
- Internal storage capacity for messages and tones;
- Multi- messages can be played back simultaneously and independently;
- Internal real time clock for scheduled events and event time stamping;
- Support for Network Time Protocol (NTP) with automatic adjustment for time;
- Internal system event and fault event log;
- Built- in web server for configuration and file management using a browser;
- Secure interconnections using Advanced Encryption Standard (AES128) for audio data and Transport Layer Security (TLS) for control data;
- Provide a secure TCP/IP open interface for remote control and diagnostics;
- Using an integrated 5-port Ethernet switch for redundant network connections, supporting RSTP and loop-through cabling.

| Sound quality

- Audio- over- IP, audio sample rate is 48kHz with 24- bit sample size;
- Ability to receive Dante and AES67 audio streams;
- Messages and tones are stored as high definition uncompressed mp3/wav- files.

| Supervision

- Supervision of stored messages and tones.
- Supervision of data integrity of site specific data.
- Internal watchdog timers to detect and recover from processing errors.
- Faults or problems of all system devices are collected, reported and logged.

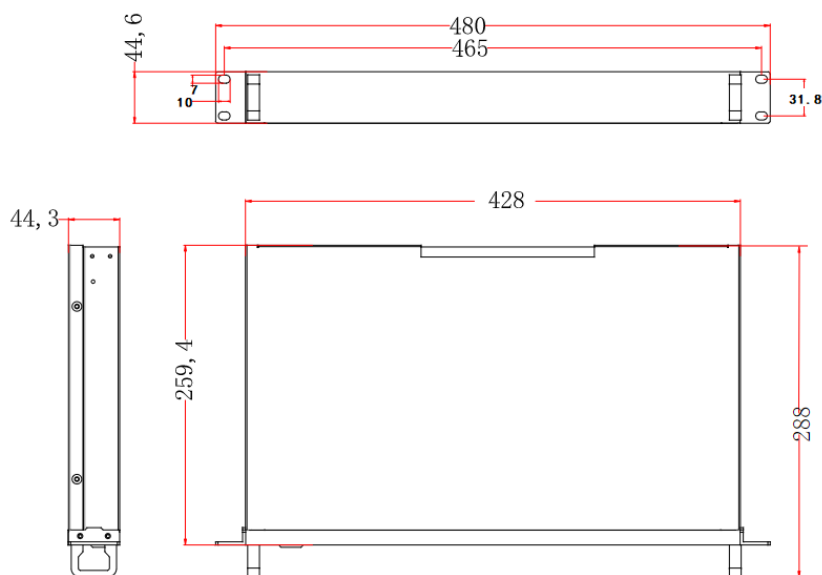
| Fault tolerance

- Dual Network connector or backup, supporting RSTP.
- Monitor N+1 amplifier devices detection,
- Dual AC- inputs with polarity reversal protection (Option).

Technical specifications

Intel CPU	Intel I3 /I5 /I7
Hard disk	120G~4T
Memory	8G
Interface	Two LAN ports; 2XUSB3.0; 2X USB2.0; 1 VGA;
Power supply	Dual AC110-240V input, redundant power supply 350W*2
Operating system	Linux
Size	428*259.4*44.6mm

Size



All Dimensions are in mm

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