

DESCRIPTION

The CX-SM1000 is a System manager designed for the CX-1000 series IP communication system. It can set up a matrix system in combination with the intercom stations, Audio interface, amplifier units, and touch screen remote microphone of the CX-1000 series, enabling conversations and broadcast controls. Up to 3000 stations can be connected within a system. It is equipped with a Failure detection function and a network redundancy function, allowing you to build a highly reliable system. The CX-SM1000 is equipped with a WEB server, which enables you to configure various settings from a browser. A built-in SD card slot allows for uploading and downloading the system settings and downloading the operation history.

FUNCTIONS

[Call functions]

1. Video calls are enabled by using the optional Video operation station and Video call station.
2. It is equipped with the following functions that comply with the IEC 62820-2 standard: calls, displays, controls, voice messages, alarm operations, failure detection, logging, and redundancy.
3. Speaker output volume can be automatically controlled according to the ambient noise.
4. You can change the call tones to custom audio sources such as the ringtone, busy tone, pre-chime tone, hold tone, and transfer tone.
5. Call contents can be recorded. (A file server is separately required.)
6. Supporting the SIP protocol, it is possible to make calls with general-purpose SIP phones.

[Broadcast functions]

1. Up to 8 phrases of the internal audio sources can be linked together for broadcasting.
2. EV broadcast can be performed by key operation, control input, and a timer.
3. Wide area broadcast can be performed over a broad range and multiple lines.
4. It is equipped with a Voice stack function that allows you to record a broadcast content in advance and broadcast it through the specified operation or the designated timing using the Touch screen remote microphone.
5. ATT control output allows the external attenuators to be bypassed during an emergency broadcast.
6. Broadcast to the IP-A1 series is possible via LAN connection.
7. The BGM to be broadcast can be selected at the station side.
8. It is equipped with an ANC function.

[System]

1. Calls and broadcasts can have 160 levels of priority.
2. It is equipped with Failure detection and network redundancy functions.
3. The entire system's operation history as well as the history of failures and recoveries can be saved.
4. It is equipped with a Yearly program timer that allows you to set a program for up to 2 years.
5. Up to 10 daily programs per day can be set.
6. Microphone input volume, speaker output volume, and ringtone volume, and various signal processing functions can be set from a web browser.
7. Speaker output volume and ringtone volume can be set according to the time of day.
8. Images from the general-purpose IP cameras can be displayed.
9. It is equipped with volume change, equalizer, and compressor functions.

Note: We do not guarantee the operations of all IP cameras.

SPECIFICATIONS

Power Supply	24 V DC (operating range: 21.6 – 26.4 V DC) Removable terminal block (2 pins) or use of the optional AC adapter
Current Consumption	200 mA
Power Consumption	5 W
Network	Network I/F: 100Base-TX Network protocol: TCP/IP, UDP, ARP, ICMP, HTTP, RTP, RTSP, IGMP, NTP, SIP, FTP, RSTP, DNS Connector: RJ45 connector × 2 Network cable: UTP (Cat5 or greater)
Maximum number of configurations	
Audio Input	3000 channels
Audio Output	3000 channels
Speaker Output	3000 channels
Control Input	12000 channels
Control Output	15000 channels (Normal control output + ATT control output)

SPECIFICATIONS

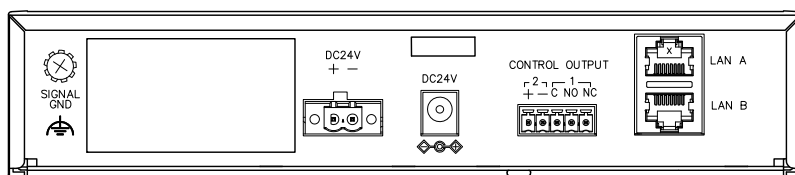
Maximum Number of Configurations (*1)	CX-OP1700: 100 units CX-OP1500: 3000 units CX-CL1750: 3000 units CX-CL1550: 3000 units CX-RM1700: 100 units CX-AF1026: 300 units CX-PA1120/CX-PA1240: 300 units CX-CC1016: 100 units CX-SM1000: 1 unit (Only 1 unit per system, Indispensable)
Number of Audio Links	Maximum 200 links within the system (each 1 link for calls and multi/unicast broadcasts)
Operation	FAULT ACK × 1, FAULT RESET × 1, Reset key × 1, SETTING × 1
Indicators	LED indicators: LAN (green) × 2, POWER (green) × 1, RUN (green) × 1, STATUS (yellow, red, green) × 1
Control Output	1 channel, relay contact output, maximum contact capacity : 30 V DC/1.0 A 1 channel, open collector output, maximum contact capacity : 30 V DC/100 mA, removable terminal block (5 pins)
SD Section	Setting file upload/download/for log storage Media: SD/SDHC/SDXC (*2) ※ No SD card provided.
Installation Method	Desktop, rack, or wall mounting (Rack or wall mounting needs optional brackets.)
Operating Temperature	0 °C to +40 °C (32 °F to 104 °F)
Operating Humidity	90 %RH (no condensation)
Finish	Panel, Case: Pre-coated steel plate, black, 30 % gloss
Dimensions	210 (W) × 44.3 (H) × 268 (D) mm (8.27" × 1.74" × 10.55")
Weight	1.5 kg (3.31 lb)
Accessory	Removable terminal plug (2 pins) ...1, Removable terminal plug (5 pins) ...1, Plastic foot ...4, Screw for fitting plastic foot ...4
Option	AC adaptor: AD-246 Wall mounting bracket: YC-850 Half width blank panel: MB-15B-BK (for rack mounting one CX-SM1000 unit) Rack joint bracket: MB-15B-J (When mounting the unit on the rack in conjunction with the CX-CC1016)

(*1) The maximum number of configurations means that the entire system can be configured to have the maximum number of audio inputs, audio outputs, control inputs/outputs, and speaker line outputs, within the range not exceeding the maximum allowable number for each device.

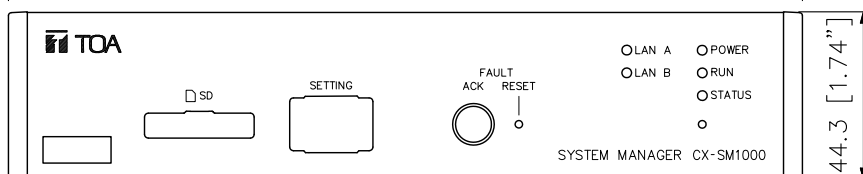
(*2) For SD cards that have been verified to work, please refer to the TOA DATA Library (<https://www.toa-products.com/international/>).

APPEARANCE

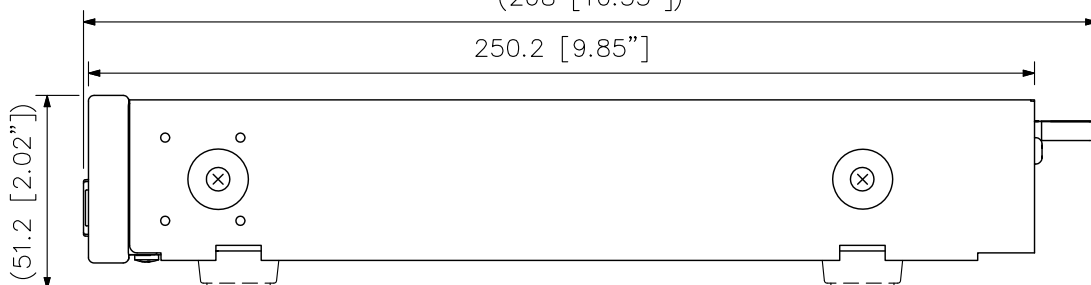
Rear View



Front View



Side View



UNIT:mm SCALE:1/2

Note: Numerical values in parentheses are for reference only.