



MX500 SIP Paging and Intercom System

MX500 is an intelligent IP public address and intercom server based on open SIP standards. By utilizing IP networks, the MX500 provides a flexible solution that can address many application requirements across various industries and areas. Features such as scheduled zone PA, live announcements, emergency alert, emergency calling, emergency intercom and dual-channel HD background music are all available within the server when combined with the SIP paging gateways.



Advantages

Dual-channel HD BGM

By utilizing multicast technology, the MX500 can broadcast audio streams to the SIP paging gateways for local decoding and playback. This guarantees the HD stereophonic effect of background music.

Live Announcements

Live announcements can be made directly from an IP phone or SIP microphone to specific PA zones. Through the dispatcher's console, you may also click to make a live announcement.

Emergency Intercom

By pressing the Press-to-Talk button on paging gateways, emergency intercoms can be made to specific security stations. The receiving IP phone will auto answer and an intercom call will be instantly established.

Scheduled Zone-specific PA

Timetables allows public addresses to be scheduled quickly and easily across days and weeks and then assigned to specific PA zones for scheduled announcements, bells, background music, etc.

Emergency Alert

In cases where for example fire or intruders trespassing are detected by sensors from the paging gateway GPIO, emergency alerts can be auto-triggered by MX500 to specific PA zones for public safety and security purpose.

Paging Gateway Provisioning

MX500 has the ability to auto discover and auto provision the paging gateways in the same LAN. Provisioning can be undertaken according to different usage configurations (paging or intercom purpose) of the paging gateways.

Specifications

Items	Specifications
CPU	2.41GHz Dual-core Intel Processor
RAM	4GB DDR3L
Storage	16GB EMMC + 500G HDD
Ethernet Interfaces	2 x 10/100/1000Mbps
USB Interface	1xUSB3.0 + 1xUSB2.0 (File format: FAT16,FAT32,EXTFAT,NTFS,EXT3,EXT4)
Telephony Module Interface	2 (optional FXO or GSM)
Dimension	440*232*44mm (19" 1U industry standard rack-mountable chassis)
Power	AC 100~240V

👉 Feature Highlights

System Capacity	<ul style="list-style-type: none"> ✓ 500 Registers (including paging gateways and IP phones) ✓ 200 Endpoints' Background Music in same LAN ✓ 100 Simultaneous Calls (including live PA, intercom and phone calls) ✓ 100 Conference Attendees ✓ 7500hrs recording (including live PA, intercom and phone calls) 																					
Codecs & Protocols	<ul style="list-style-type: none"> ✓ SIP(RFC3261), IGMPv2 ✓ DTMF(RFC4733, SIPINFO, In-Band) ✓ Transport Protocols: UDP, TCP ✓ Video Codecs: VP8, H.264, H.263+, H.263, H.261 ✓ Audio Codecs: G.722 (Wideband), G.711(a-law, u-law) 																					
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Advanced Features	<ul style="list-style-type: none"> ✓ SIP Paging Gateway Auto Provisioning (Register number, GPIO, Intercom number) ✓ IP phone Auto Provisioning (Multi-line, DSS Key) ✓ Dispatcher's Console (PA control, Call/Intercom Monitoring, Conference Manager, etc.) ✓ Graphical endpoints status display, Real-time Endpoints' Status, Offline Notification ✓ PSTN, GSM Support, Inbound Call Live Announcements, Emergency Calls Support 																					

👉 Applications



Campus



Bus Station



Shopping Mall



Office Building



Train Station



Park



Hotel



Government Complex



Factory



Energy

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