



NAS-8523C

IP Intercom Station

SPON IP Intercom Station NAS-8523C with a separate microphone and speaker, allowing full duplex conversations with Master Stations. It is designed for indoor scenes with high reliability, HD Audio and surface mount installation.



MAIN FEATURES

1. Robust Design and Communication

- Durable 6mm aluminum panel with anti-stab protection and special screws to prevent vandalism.
- Built-in 3W speaker and microphone for hands-free calls.
- Line-output interface for connection to external active speakers or earphones.

2. Connectivity and Call Functionality

- Relay I/O interface for system linkage or access control.
- Supports offline calling with pre-defined targets on its web UI.
- One-press calling feature with targets set via management software.
- Standard SIP protocol compatibility for easy integration with SIP PBX systems (Yeastar, Asterisk, Cisco, etc.).

3. Network Integration and Remote Management

- IEEE 802.3at interface support for flexible deployment.
- Capabilities for remote management and online upgrading for enhanced functionality.

SPECIFICATION

POWER PARAMETERS

Power Supply: DC24V/1A、PoE IEEE802.3at

Standby Power Consumption: $\leq 3W$

AUDIO PARAMETERS

SNR(Signal To Noise Ratio): Broadcast-Speaker:81dB
Broadcast-Line:88dB
Line In-Record Out:82dB

Audio Sampling & Bit Rate: 22.05KHz 16bit
8kbps-320kbps

Built-In Speaker: 3W ,8 Ω

Input Sensitivity: Line: -6dB

THD (Total Harmonic Distortion): $<1\%$

Frequency Response: 50Hz-20KHz $\pm 3dB$

NETWORK PARAMETERS

Network I/F: 10BASE-T/100BASE-TX RJ45

Network Protocol: TCP/IP, UDP, ARP, ICMP, IGMP, SIP, HTTP, FTP

Configuration Method: Web Interface

MECHANICAL&ENVIRONMENT PROPERTIES

Mounting Method: Surface-Mounted

Installation Environment: Dry Indoor Locations

Operating Temperature: -20°C~+60°C

Operating Humidity: 25%~90%(RH Non-Condensing)

Body Material: Aluminium Alloy

Color: Silver

Back Shell Material: Steel

Product Dimension: 101×191×46mm

Product Weight: 0.95 Kg

Product Warranty: 2 Years

ACCESSORIES

1×Power Adaptor(24V/1A)(Optional)

4×Allen Screw(M3*12)

1×Allen Wrench(2.5mm)

1×Wiring Terminal(3.5-2P)

1×Wiring Terminal(3.5-3P)

4×Half Round Head Philips Screw(ST4*25)

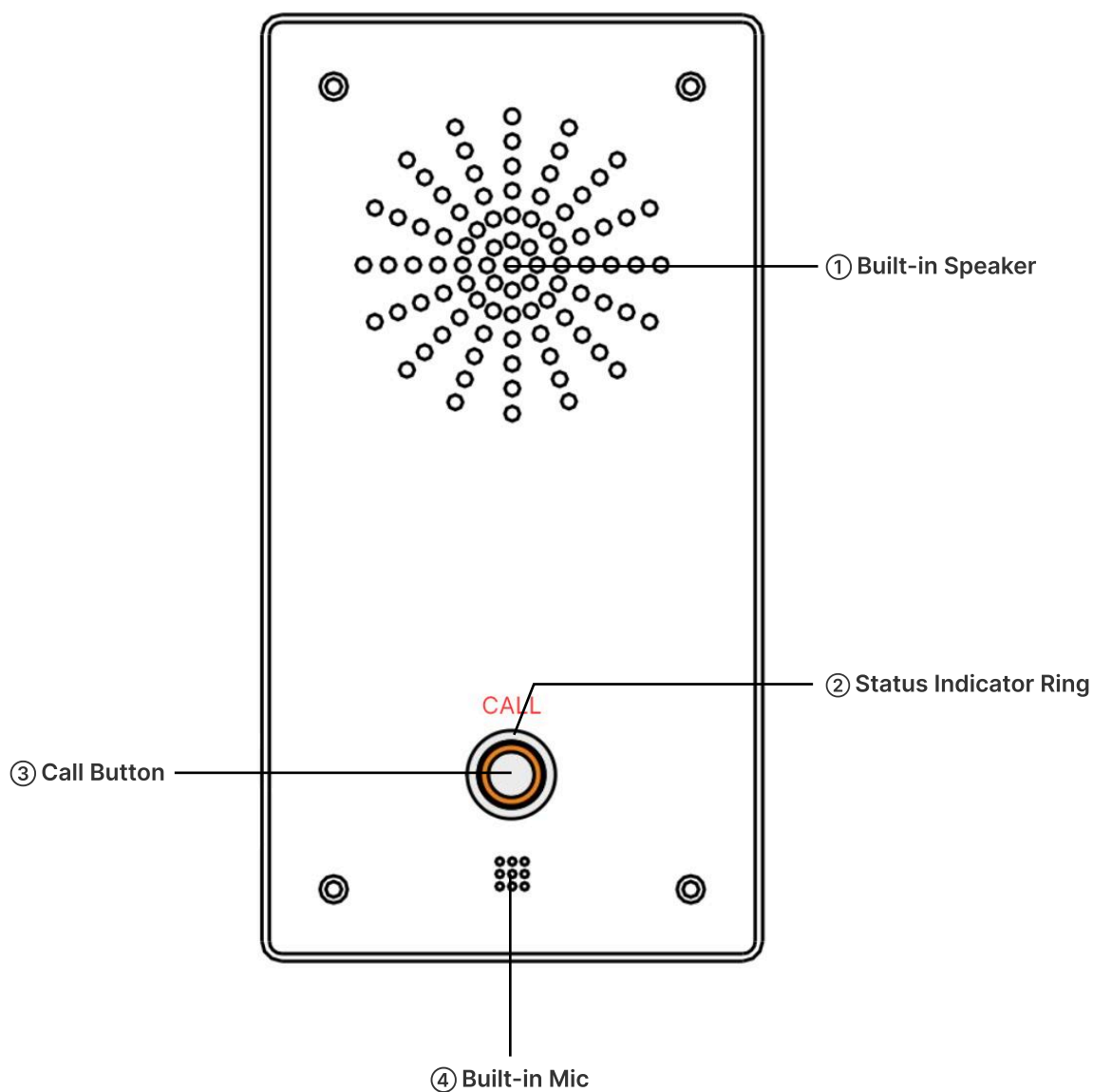
1×Red-Black Line(X2-80)

1×Red-White Line(X12-100)

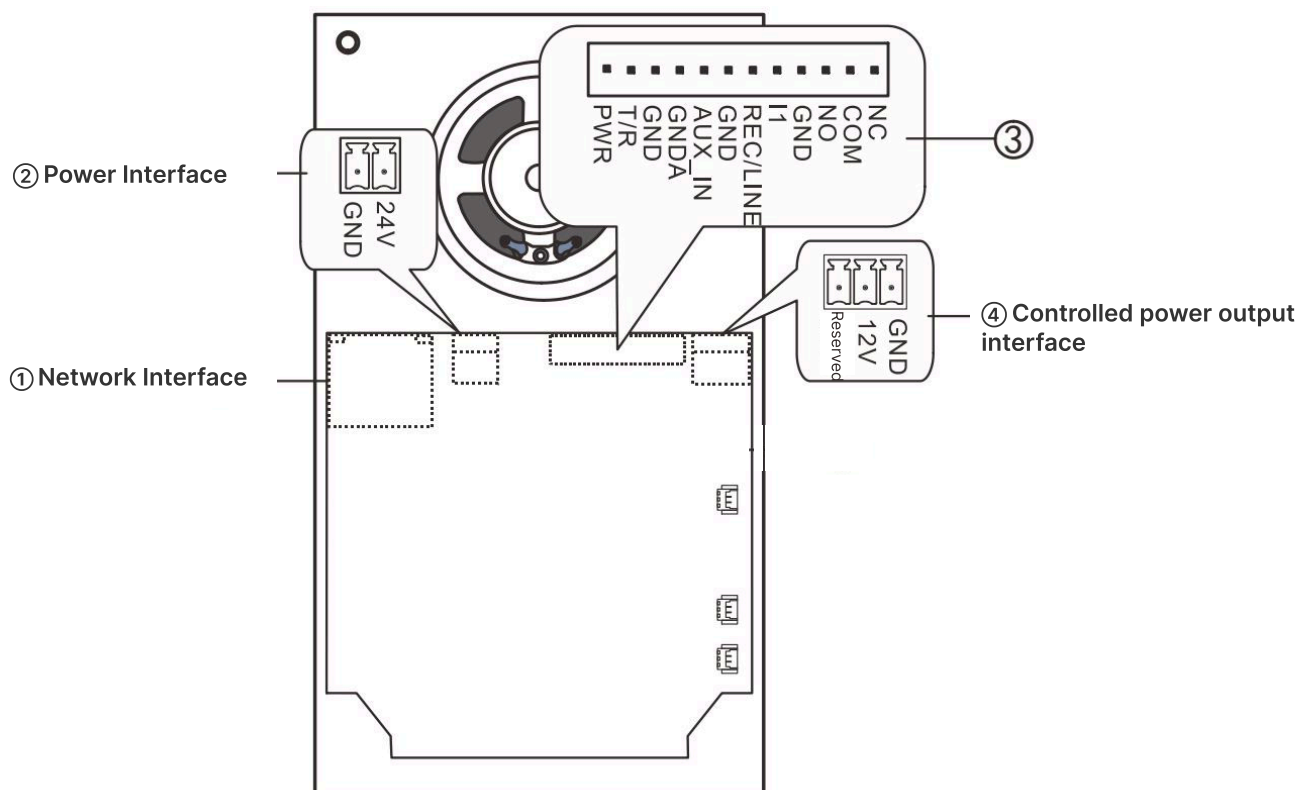
1×Quality Certificate&Warranty Card

1×Quick Installation Guide

PORTS DESCRIPTION



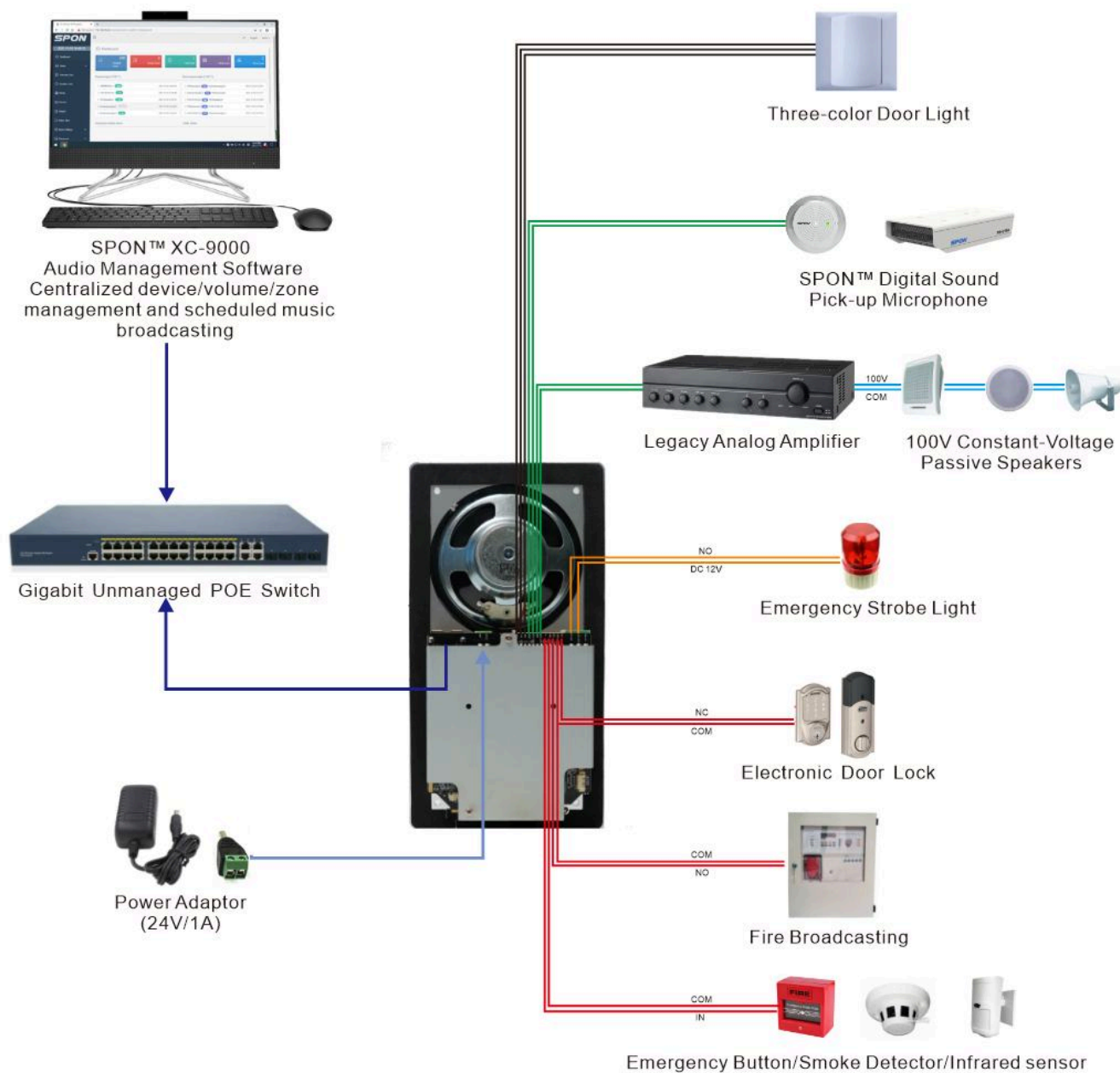
PORTS DESCRIPTION



③ Comprehensive Interface

■	NC		
■	COM	┌─┐	Alarm output (NC:normally closed,COM:COM,NO:normally open)
■	NO	└─┘	
■	GND		
■	I1	┌─┐	Alarm input 1 (GND:Ground,L1:alarm input1)
■	REC/LINE	└─┘	
■	GND		
■	AUX_IN	┌─┐	Record out/line out interface(REC/LINE:Signal,GND:ground)
■	GNDA	└─┘	
■	GND		
■	T/R	┌─┐	Line in interface(AUX_IN:Signal,GNDA:Analog ground)
■	PWR	└─┘	
			Three-color door light interface(GND:Ground,T/R:Signal,PWR:Power)

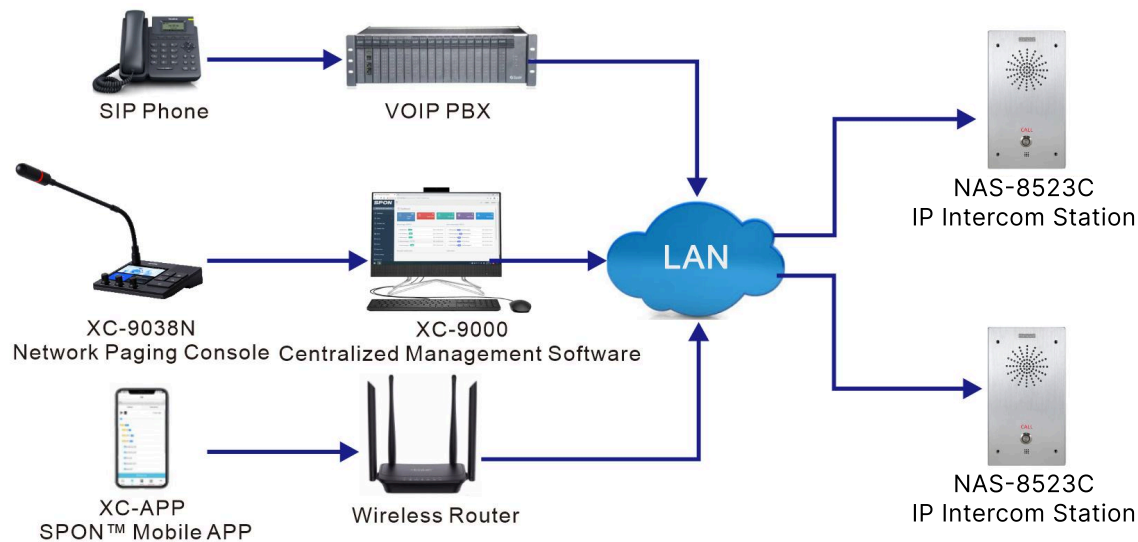
INTERFACE DESCRIPTION



APPLICATIONS

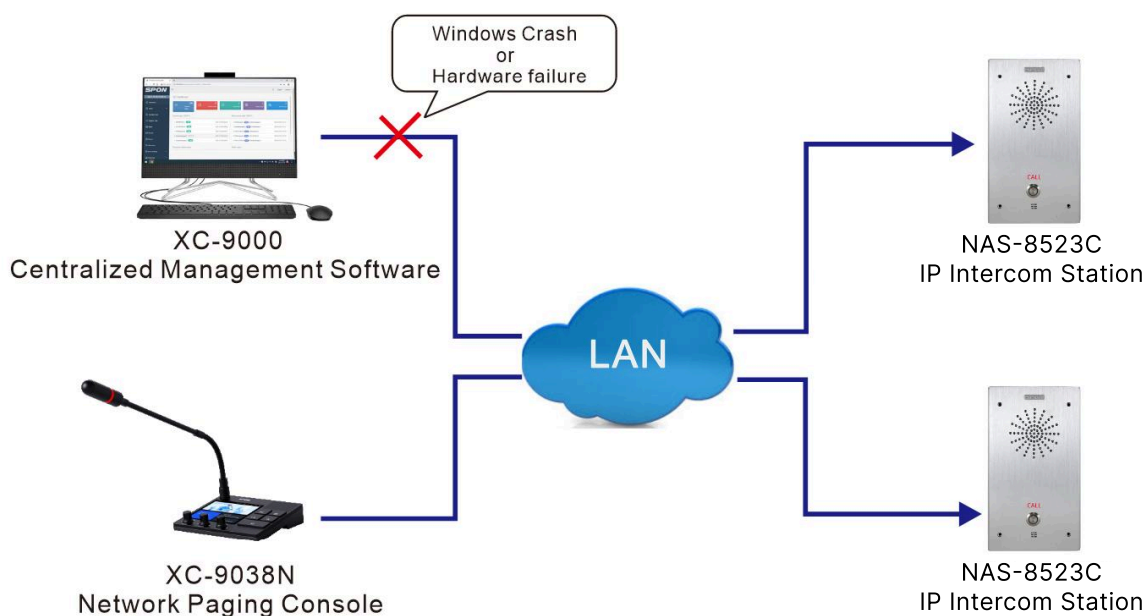
Application 1

The IP Intercom Station NAS-8523C support SIP protocol which can be independently used as a sip endpoint to integrated with mainstream VOIP system for receiving sip call from SIP phone or SIP softphone ; Meanwhile , it also can receive call from SPON IP paging microphone or mobile APP under the SPON management software.



Application 2

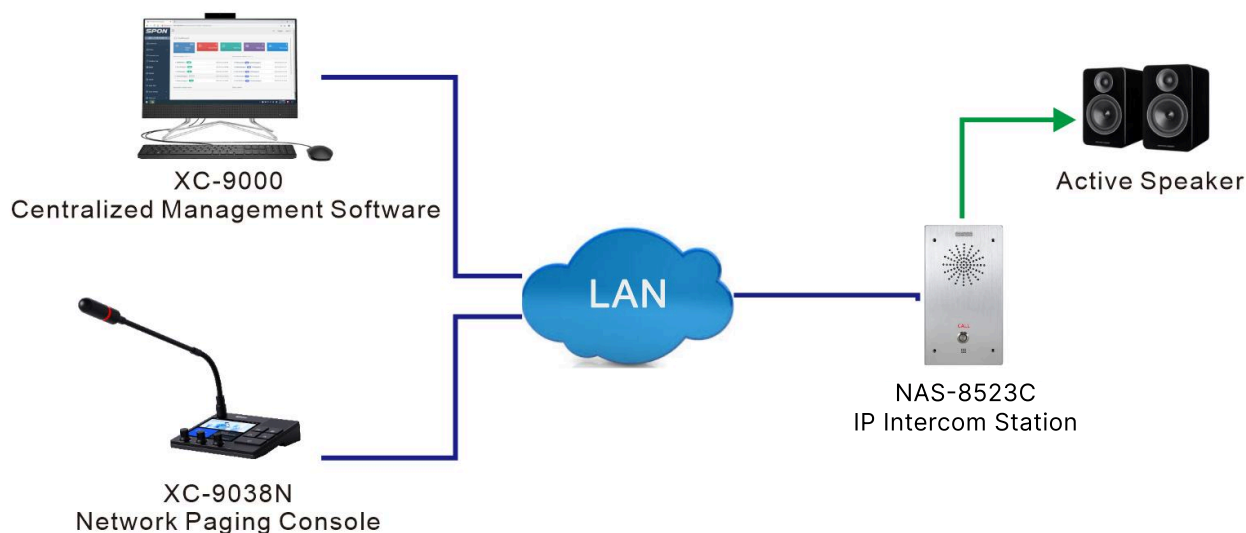
The IP Intercom Station NAS-8523C support offline intercom function , it can receive and initiate offline calling without centralized software , the offline call target can be set on its webpage.



APPLICATIONS

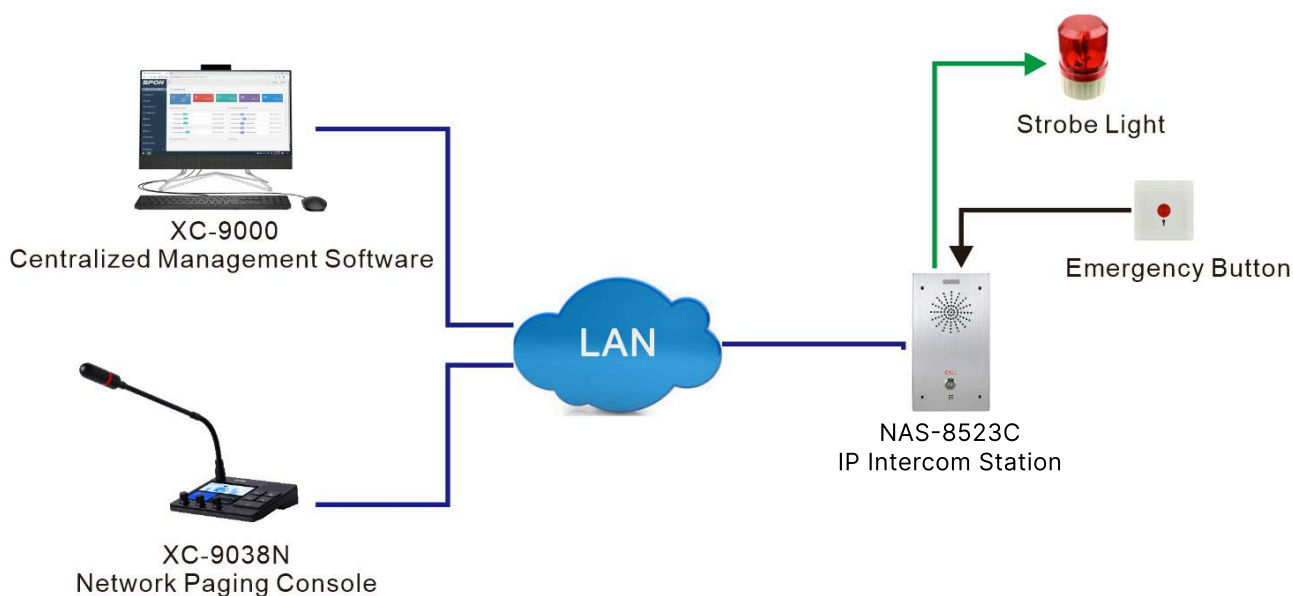
Application 3

The IP Intercom Station NAS-8523C with built-in speaker and line output interface which can receive broadcasting from IP paging mic or Centralized management software , user can choose the sound out from built-in speaker or external active speaker.



Application 4

The IP Intercom Station NAS-8523C with relay I/O interface which can be connect with emergency button or smoke detector 、strobe light or electronic door lock . During intercom call , the relay ouput can be triggered by the remote IP paging mic .User aslo can set the task of triggering the automatic call through the emergency button in the software.



INSTALLATION

■ Installation instructions

First use 4 plastic expansion sleeves and round head Phillips screws to install the bottom shell in a suitable position, then use 4pcs M3*12 hexagon socket screws to fix the panel on the bottom shell.

