

SIP Intercom

SIP based audio/video communication



**Reliable communication and
userfriendly access control.**

SIP Intercom Stations

N-SP80

SIP-based intercom stations offer high quality audio and video communication and a userfriendly access control. The N-SP80 Series SIP Intercom Station employs the Session Initiation Protocol to enable both audio and video communication. They are compatible with leading SIP servers (Cisco®, Avaya®, Asterisk®, Genetec®) and enable peer-to-peer communication with an unlimited number of connectable stations within the SIP system. N-SP80VS1 is furthermore supporting the ONVIF-Standard. Additionally multicast transmission ensures paging into multiple zones.

Starting with schools and hotels to healthcare and industrial facilities, offices and malls – TOA's SIP stations are mandatory when reliable communication and visualisation in a range of applications is needed.

KEY FEATURES

- > Compatible with a variety of SIP servers
- > Multicast transmission enables paging to multiple zones.
- > Unlimited connection of SIP stations
- > Supports G.711a, G.711μ, G.722, G.729 audio codecs for high-quality conversation
- > Unlimited number of stations are connectable in one system using peer-to-peer mode
- > Video conference capability (N-SP80MS1)
- > Less cabling and easy installation thanks to PoE
- > ONVIF compatibility (N-SP80VS1)

N-SP80MS1



SIP Multimedia Station

- Intuitive operation with 7-inch touch screen and dial keys
- Applied to major video codec
- Addressbook for up to 3000 contacts

N-SP80VS1



SIP Video Door Station

- Robust and weatherproof
- High-quality audio transmission
- Full-duplex communication
- With built-in AEC (acoustic echo canceller)
- IR LEDs helps to capture video in darkness
- 2 relay contact outputs
- 2 control inputs

N-SP80AS1



SIP Audio Door Station

- Robust and weatherproof
- Applied to major audio codec
- Built-in AEC enables full-duplex communication
- 2 relay contact outputs
- 2 control inputs

SIP Intercom Gateway

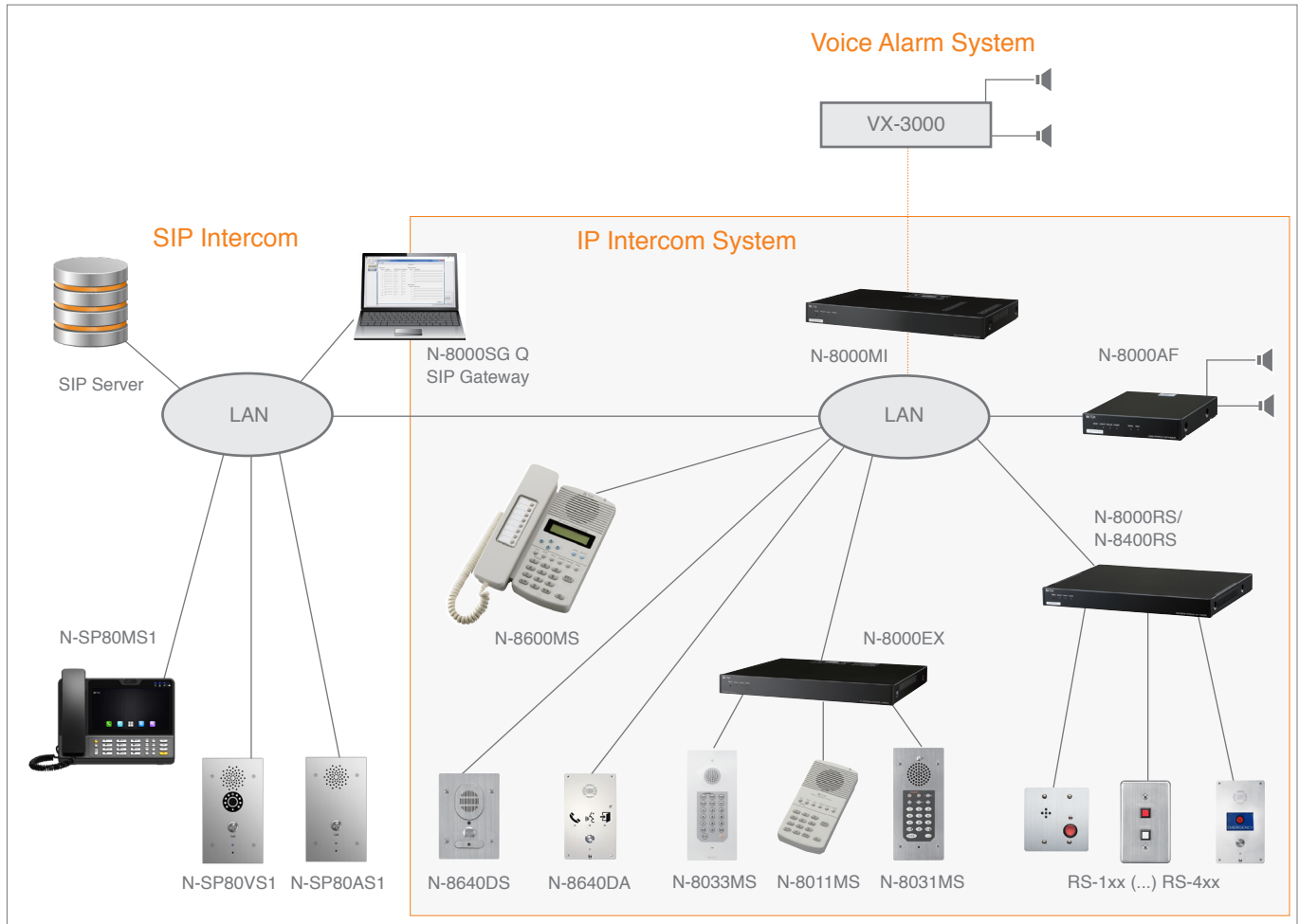
N-8000SG

The N-8000SG SIP Gateway allows you to interface the N-8000 IP Intercom System to a SIP phone system. Communication can be established from the N-8000 to the SIP phone system and vice versa. This also allows up to five conversations at one time with the ability to initiate a page and access the door remote control features.

FEATURES

- > Call and transfer from N-8000 to SIP and vice versa
 - > Door remote control from SIP to N-8050DS, N-8640DS, N-8650DS, N-8640DA
 - > Paging function from SIP to N-8000
 - > 5 simultaneous communication channels
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SYSTEM EXAMPLE



In combination with a SIP-Server and TOA's N-8000 Series, voice alarm systems and speakers the SIP Multimedia Station N-SP80MS1 can be used for public announcements and access control.

By use of N-SP80 stations a paging system can be configured without SIP Server and an unlimited number of stations in a system for all kind of peer-to-peer applications.

APPLICATION EXAMPLES



Schools



Hospitals



Malls



Offices

SPECIFICATIONS

	N-SP80MS1
Power Source	PoE / 12VDC
Power Consumption	12W (max.)
Display	7-inch capacitive touch screen TFT LCD, 800 x 480 pixels, 16:9 wide screen aspect ratio
Camera	2 megapixels CMOS camera, free rotation
Network Protocol	SIP RFC3261, TCP/UDP/IP, PPPOE, RTP/RTCP
Operation System	Android 4.2
Voice Codec	G.711A/U, G.723, G.729a/b, G.722, iLBC, AMR-NB, AMR-WB, OPUS
Video Codec	H.263, H.264
DTMF Modes	Inband, RFC2833, SIP INFO
Audio Features	VAD, CNG, Echo Canceller G.165/G.168
Network Interface	Dual switched 10/100Mbps port, optional PoE
Wi-Fi	IEEE802.11 b/g/n
External Interface	USB 2.0, 3.5 mm headset jack
IP Assignment	Static IP, DHCP, PPPoE
Management	LCD Menu Configuration, TR069, WebUI
Finish	ABS resin
Dimensions (W x H x D)	240 x 213 x 120mm
Weight	1.4kg

SPECIFICATIONS

	N-SP80VS1	N-SP80AS1
Power Source	PoE / 12VDC	
Power Consumption	12W (max.)	
Camera	3 megapixels	-
Resolution	Up to 1080p	-
Buttons	1 call button; 1 reset button	
Microphone	1 integrated microphone	
Speaker	2W	
Input Relay	2 input relays for alarm	
Output Relay	2 output relays for door opener	
Call Indication	1 RGB LED (colors: red, green, blue)	
Dust/Water Protection	IP65	
Finish	Panel: stainless steel	
Dimensions (W x H x D)	120 x 210 x 45.6mm	
Weight	0.96kg	0.92kg
Options	Backbox: YC-400	

SYSTEM REQUIREMENTS

	N-8000SG Q
Operating System	Windows® 7 Professional (32/64bit)
License	USB dongle required

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Preliminary specifications are subject to change without notice.

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