N-SP80
SIP Intercom Station

Reliability

Maximum
Safety

Compatibility

Scalability
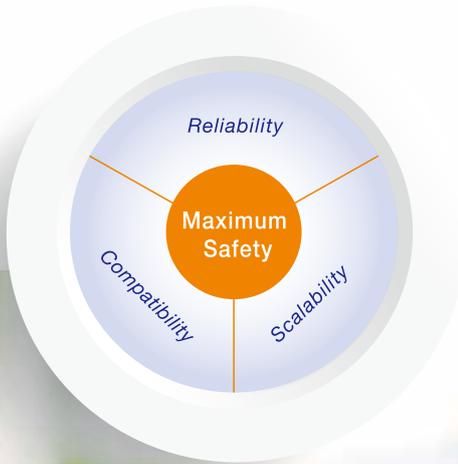
SIP Multimedia Station.1

SIP
Video/Audio Door
Station

SIP Multimedia Station.2

Application [a]

Application [c]

Application [b]

A smart product that's easy to set up.

The N-SP80 opens up the world of access control.

SIP Intercom Station

N-SP80

The N-SP80 Series SIP Intercom Station employs the Session Initiation Protocol to enable both audio and video communication. Compatible with the G.722 audio codec, the N-SP80 supports high-quality audio and video transmission. The device features easy unlocking operation that gives you simple access to controls. This makes it ideal for installing at a building entrance, carpark gate, or other point of entry. And with TOA you're assured of thorough after-sales service—we're a specialist manufacturer of security and audio equipment serving customers in over 120 countries worldwide.

Product Features

N-SP80VS1
SIP Video Door Station

- Robust and weatherproof hardware
- Built-in AEC (acoustic echo canceller) enables intelligible full-duplex communication
- Less cabling thanks to PoE
- 3MP camera resolution
- Photosensitive sensor detects brightness and turns on infrared light to capture pictures in darkness
- Flexible LED color and behavior setting
- ONVIF compatible
- Anti-vandal function via external control input

N-SP80AS1
SIP Audio Door Station

- Robust and weatherproof hardware
- Built-in AEC (acoustic echo canceller) enables intelligible full-duplex communication
- Less cabling thanks to PoE
- Flexible LED color and behavior setting
- Anti-vandal function via external control input

N-SP80MS1
SIP Multimedia Station

- Intuitive operation with 7-inch touch screen and dial keys
- Less cabling thanks to PoE
- Address book stores up to 3000 names
- Forwarding setting (always/call/no answer)
- DND (do not disturb) – ignore incoming calls
- Auto Redial – redial an unsuccessful call a set number of times within a designated interval

System Features

- **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**
- **System configuration and setting via web browser**
- **Secondary SIP server for server redundancy**
- **Detects server disconnection**
- **Flexible ringtone setting**

Key Benefits

Supports peer-to-peer communication

Build a system with stations only—no need for an SIP server.

Compatible with variety of SIP servers

Where an SIP server is already in place, adding an N-SP80 station is easy. It's compatible with Cisco CUCM, Asterisk and Genetec Sipelia.*

cisco Compatible

SIP servers

*All product and company names are trademarks or registered trademarks of their respective owners.
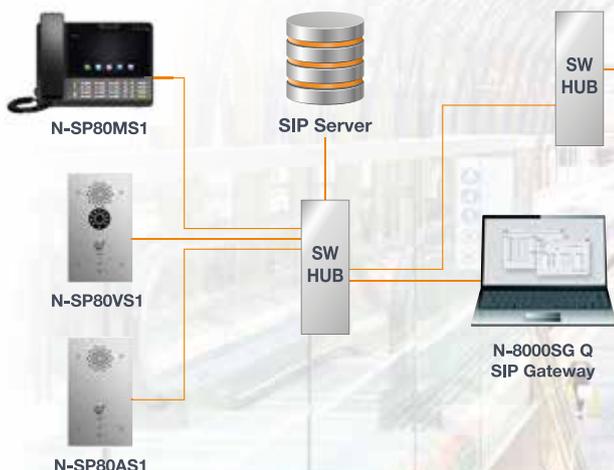
Doors unlockable from master station keypad

Can be part of a scalable system

The N-SP80VS1 SIP Video Door Station complies with ONVIF Profile S, so it can be integrated with third-party systems.

VMS

Access Control

Video Surveillance

OnVIF®

Video Surveillance

Video Encoder

System Examples

The N-SP80MS1 can be used in tandem with TOA's N-8000 to deliver public announcements and support access control. Adding the optional N-8000SG allows you to add a video access control function to an existing N-8000 Series intercom.

N-SP80MS1

N-SP80VS1

N-SP80AS1

SIP Server

SW HUB

SW HUB

N-8000SG Q SIP Gateway

N-8000 IP Intercom System

LAN

N-8600MS

N-8640DS

N-8000EX

N-8000AF

N-8000MI

N-8000RS/ N-8400RS

N-8033MS   N-8011MS   N-8031MS

RS-1xx (...) RS-4xx

Specifications

Phone	N-SP80MS1 （SIP Multimedia Station）	
Power Supply	PoE (IEEE802.3af) or 12V DC (use of the optional AC adapter)	
Speech Method	Hands-free, Handset or Headset conversation	
Audio Frequency Range	180 Hz - 14 kHz	
Graphic Display	7-inch capacitive touch screen TFT LCD, 800 x 480 pixels, 16:9 wide screen	
Camera	1/5" CMOS, 2M pixels, Max 1080p resolution, Free-rotation	
Video	QCIF, QVGA, CIF, 4CIF, VGA, 64 kbps - 2 Mbps	
Network	Network Interface	10BASE-T/100BASE-TX (Auto-Negotiation)
	Network Protocol	UDP/TCP/IP, RTP/RTCP, ARP/RARP, NAT, NTP, IGMP, SIP, etc.
	Packet Transmission System	Unicast, Multicast
	Paging	1 x Multicast transmission
	Connector	RJ45 2 ports
	Quantifying bit number	Maximum 16 bits
	Voice encoding method	G.711 µ-Law/A-law, G.722, G.729
	Video compression method	H.263, H.264
External Interface	USB2.0, HDMI type A	
Dimensions	240(W) x 213(H) x 120(D) mm (9.45" x 8.39" x 4.72") (excluding a curl cord section)	
Accessory	1 x Handset , 1 x Carl cord, 1 x LAN cable	

* HDMI, HDMI logo and High-Definition Multimedia Interface are trademarks
  or registered trademarks of HDMI Licensing LCC in the United States
  and other countries. Connections to all HDMI devices are not guaranteed.

Phone	N-SP80VS1 （SIP Video Door Station）	N-SP80AS1 （SIP Audio Door Station）
Power Supply	PoE (IEEE802.3af) or 12V DC	
Speech Method	Hands-free conversation	
Audio Frequency Range	300 Hz - 14 kHz	
Control Input	2 channels, no-voltage make contact input	
Control Output	2 channels, relay output, normal open/normal close output	
DC Power Input	12-24V DC, 12-50V DC	
Camera	1/3" CMOS, 3M pixels, Max. 1080p, Horizontal angle: 120°, Vertical angle: 178°, Day& Night mode, Auto-Negotiation	–
Network	Network Interface	10BASE-T/100BASE-TX (Auto-Negotiation)
	Network Protocol	IPv4, HTTP, HTTPS, FTP, SNMP, DNS, NTP, RTSP, RTP, TCP, UDP, ICMP, DHCP, ARP, SIP
	Packet Transmission System	Unicast, Multicast
	Paging	1 x Multicast receipt
	Connector	RJ45 2 ports
	Quantifying bit number	Maximum 16 bits
	Voice encoding method	G.711 µ-Law/A-law, G.722, G.729
	Video compression method	H.264, MPEG-4, MJPEG
	Security	Password protection, IP address filtering, SIP over TLS, HTTPS
Installation Method	Flush-mount	
Dust/Water Protection	IP65	
Finish	Panel: 316 grade stainless steel	
Dimensions	120(W) x 210(H) x 49.5(D) mm (4.72" x 8.27" x 1.95")	
Applicable Box	4-gang size back box: YC-400	

Options

N-8000SG Q
SIP Gateway

The N-8000SG Q SIP Gateway
allows you to connect the
TOA's N-8000 IP Intercom
System to a SIP phone system.

cisco Compatible

SP-11N
Module

The SP-11N is a VoIP phone
paging module supported SIP
(Session Initiation Protocol) with
Auto-answer function.
This module can be used with
TOA's 9000M2 Series, A-700 Series,
A-900 Series and BG Series amplifiers.

*Availability differs from countries. Please
  contact your nearest dealers for more details.

YC-400
4-Gang Box

Designed to flush-mount N-SP80VS1
and N-SP80AS1 in a wall.

Applications

Buildings /
Parking lots

Factories

Schools

Hospitals

TOA
Smiles for the Public

TOA (Hong Kong) Limited