

N-SP80

SIP Intercom Station



*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.



Doors unlockable from master station keypad



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.*



* All product and company names are trademarks or registered trademarks of their respective owners.

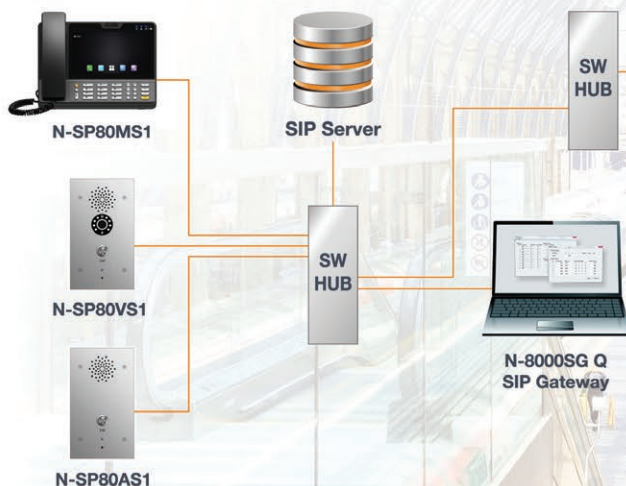
Can be part of a scalable system

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

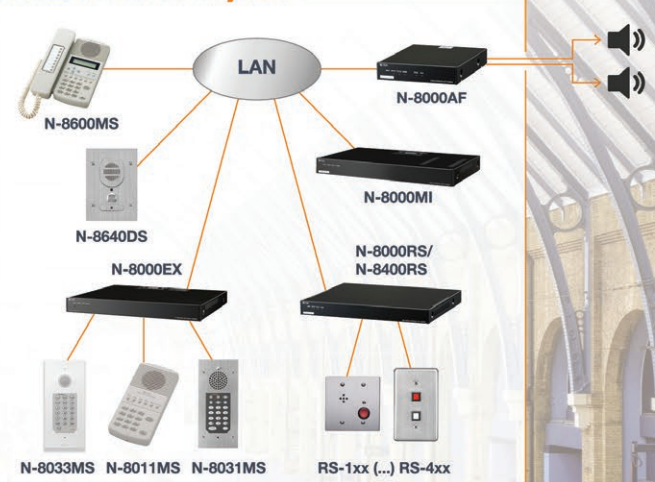


System Examples

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-8000 IP Intercom System



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-SP80MS1 (SIP Video Door Station)	N-SP80MS1 (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: 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	



Smiles for the Public

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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.



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



Factories



Buildings / Parking lots



Schools



Hospitals