



N-SP80

SIP Intercom Station

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

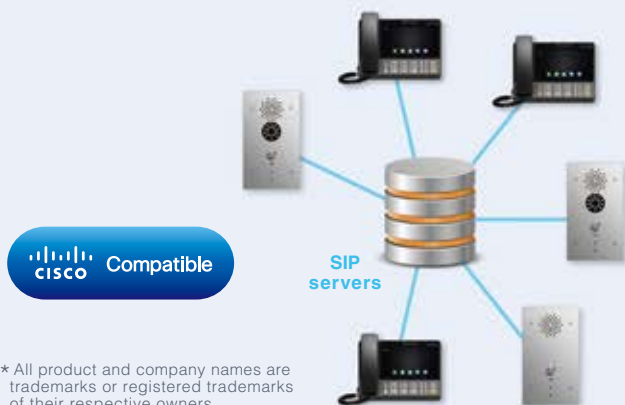
Supports peer-to-peer communication

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.*



Doors unlockable from master station keypad



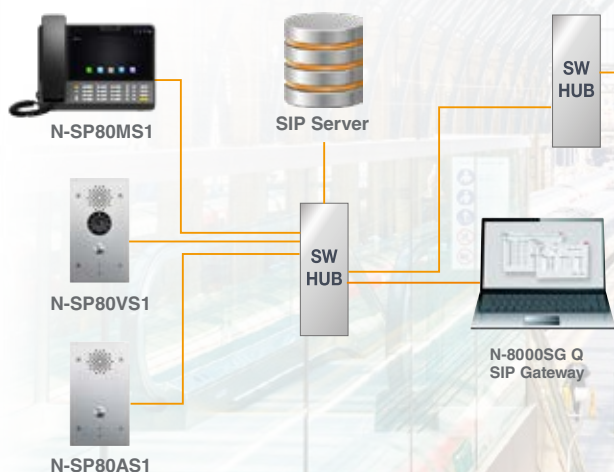
Can be part of a scalable system

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

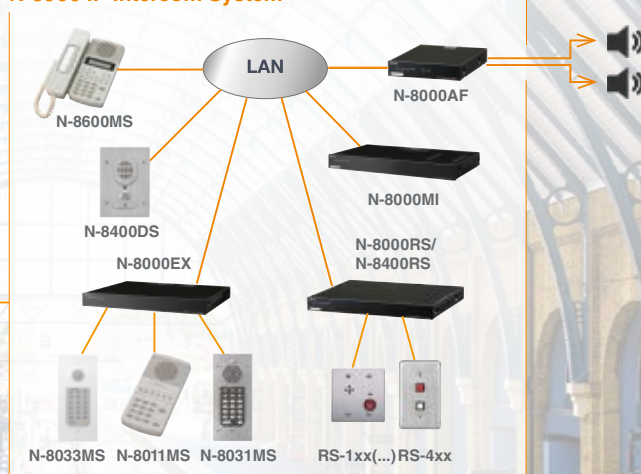


System Examples

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



	N-SP80MS1	N-SP80VS1	N-SP80AS1
Power Supply	PoE (IEEE802.3af) or 12V DC (use of the optional AC adapter)	PoE (IEEE802.3af) or 12V DC	
Power Consumption	12 W or less		
Speech Method	Hands-free, Handset or Headset conversation	Hands-free conversation	
Audio Frequency Range	180 Hz - 7 kHz	300 Hz - 7 kHz	
Hands-free	Speaker: 5 cm (1.97") Cone-type, Maximum output 2 W, 8 Ω Microphone: Omni-directional electret condenser microphone	Speaker: 5 cm (1.97") Cone-type, Maximum output 1 W, 8 Ω Microphone: Omni-directional electret condenser microphone	
Handset	Receive path: 3.6 cm (1.42") Cone-type, Maximum output 30 mW, 32 Ω Send path: Electret condenser microphone	-	-
Headset	Speaker: 20 mW, 16 Ω/32 Ω, ø3.5 mini jack (3P)	-	-
Display	7 inch capacitive touch screen TFT LCD, 800 x 480 pixels, 16:9 wide sceren	-	-
Control Input	-	2 channels, no-voltage make contact input, open circuit voltage: 5 V DC, short-circuit current: 10 mA or less	
Control Output	-	2 channels, relay output, normal open/normal close output, withstand voltage: 30 V DC, control current: 1A	
DC Power Input	-	12 V DC	
Operation Button	-	1 x Call button, 1 x Reset button	
Indication	-	Status LED	
Camera	1/5" CMOS, 2M pixels, Max 1080p resolution, Free-Rotation	1/3" CMOS, 3M pixels, Max 1080p resolution, Horizontal120° x vertical 64° angle of view, IR LED, Day(color) & night(black/white) mode automatic switching	-
Video	Image size: QCIF, QVGA, CIF, 4CIF, VGA Bit rate: 64 kbps - 2 Mbps	-	-
Network			
Network I/F	10BASE-T/100BASE-TX (Auto-Negotiation)		
Network Protocol	UDP/TCP/IP, RTP/RTCP, ARP/RARP, NAT, NTP, IGMP, SIP, etc.	IPv4, HTTP, HTTPS, FTP, SNMP, DNS, NTP, RTSP, RTP, TCP, UDP, ICMP, DHCP, ARP, SIP	
Packet Transmission System	Unicast, Multicast		
Paging	1 x Multicast transmission	1 x Multicast receive	
Connector	RJ45 2 ports (one supports PoE (IEEE802.3af))		
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	H.264, MPEG-4, MJPEG	-
Security	-	Password protection, IP address filtering, SIP over TLS, HTTPS	
Speech Features	-	SIP: SIPv1(RFC2543), SIPv2(RFC3261) Acoustic echo canceller, VAD (Voice Activity Detection), Comfort noise generator Auto answer, Volume control, Peer-to-peer connection (Direct IP connection without SIP server)	
External Interface	USB2.0	-	
Operating Temperature	0 °C to +40 °C (32 °F to 104 °F)	-20 °C to +55 °C (-4 °F to 131 °F)	
Operating Humidity	10 % to 90 %RH (no condenstation)		
Dust/Water Protection	-	IP65 (Panel)	
Finish	Body, Handset: ABS resin, black	Panel : Stainless steel	
Dimensions	240 (W) x 214 (H) x 117 (D) mm (9.45" x 8.43" x 4.61") (excluding a curl cord section) *Numerical values are for reference only	120 (W) x 210 (H) x 49.5 (D) mm (4.72" x 8.27" x 1.95")	
Weight	1.1 kg (2.43 lbs.)	910 g (2.01 lbs.)	870 g (1.92 lbs.)
Accessory	1 x Handset, 1 x Carl cord, 1 x LAN cable	4 x Box mounting torx screw, 1 x Torx screw driver	
Option	AC adapter: AD-1215P, AD-5000-2	4 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.

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.



TOA Corporation

www.toa.jp

Specifications are subject to change without notice. (1811) 8336110044-01