TOA

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

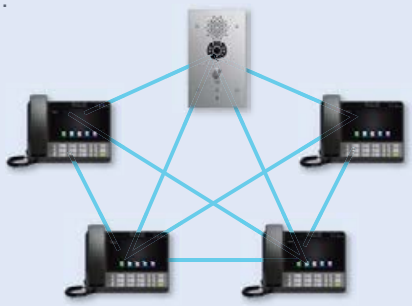
System Features

- **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**

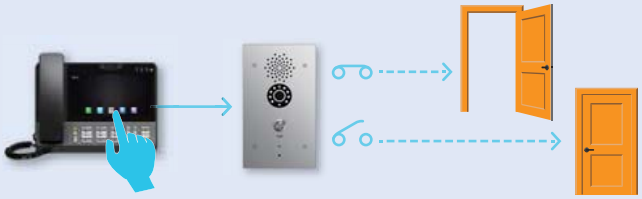
Key Benefits

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.*

cisco Compatible

* 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 Q2 allows you to add a video access control function to an existing N-8000 Series intercom.

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		USB 2.0, 3.5mm headset jack
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	
Impact Protection		–	IK10 rating (highest in the impact protection rating)
Dust/Water Protection		IP65	
Operation Temperature		-45°C to +50°C (-40°F to 122°F) with YC-832HSW-AM -20°C to +55°C (-4 'F to 131 'F) with no backbox	
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		YC-832HSW-AM, YC-811 AM, YC-400	

TOA Canada Corporation
Tel: 1-800-263-7369
Fax: 1-800-463-3569
sales@toacanada.com • www.TOAcanada.com

Specifications are subject to change without notice. (1712)8336110044-00

Options

N-8000SG Q2 SIP Gateway

The N-8000SG Q2 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-800D 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.

YC-832HSW-AM

Weatherized Back Box w/ 2 Heater and Tamper Switch for N-SP80VS1 and N-SP80AS1

YC-811 AM

Rain Shield for the door stations N-SP80AS1 and N-SP80VS1 with anti-corrision SGCC construction.

N-SP80 SIP Intercom Softphone Application

TOA N-SP80 is a FREE SIP softphone application for VOIP calls over 3/4G or Wi-Fi.

Contact TOA Canada to receive the APK file for Android

technicalsupport@toacanada.com