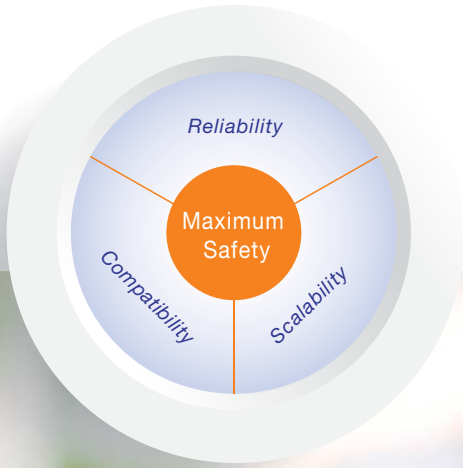




# N-SP80

## 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



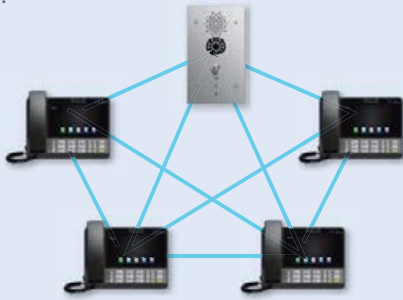
### System Features

- 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

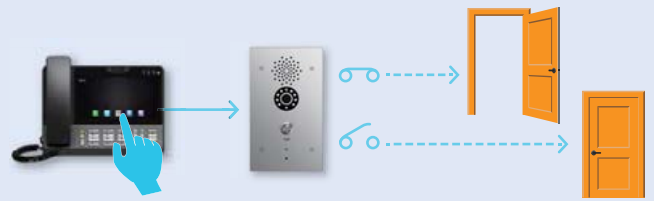
## Key Benefits

### Supports peer-to-peer communication

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

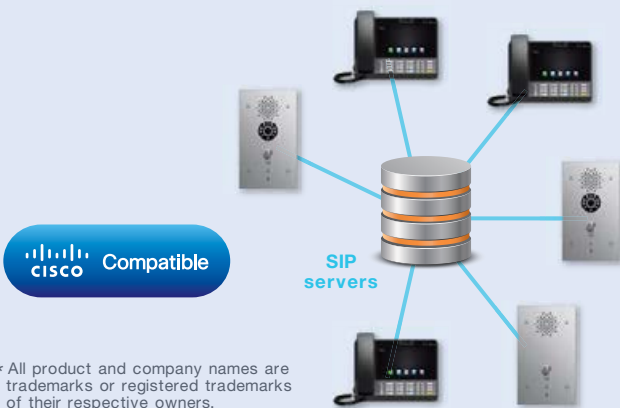


### Doors unlockable from master station keypad



### 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.

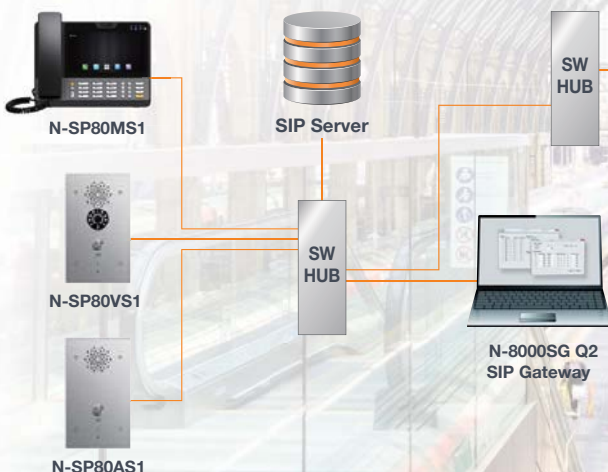
### Can be part of a scalable system

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

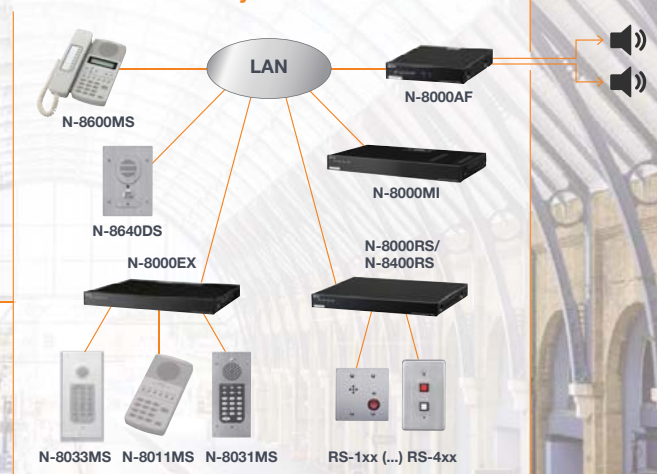


## System Examples

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 Q2 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 $\mu$ -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 $\mu$ -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		



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sales@toacanada.com • www.TOAcanda.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-corrosion 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