



# SIP Intercom Station

## N-SP80



- SIP-based intercom stations
- Compatible with a variety of SIP servers (Cisco, Avaya, Asterisk and Genetec)\*
- Integrates with TOA N-8000 Intercom via N-8000SG SIP Gateway
- Capability of peer-to-peer communication with unlimited stations
- N-SP80MS1 provides video conference capability
- Multi-cast transmission enables paging to multiple zones

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### **N-SP80MS1** SIP Multimedia Station

- 7-inch 16x9 touch screen
- Intuitive operation with dial keys
- Compatible with major video codecs
- Android-based for easy customization
- PoE or local power



### **N-SP80VS1** SIP Video Door Station

- Compatible with major audio codecs
- Built-in AEC (Acoustic Echo Canceller) enables full-duplex communication
- Photo Sensitive Sensor detects brightness
- IR LEDs help to capture video even in dark environments
- Resolution up to 1080p



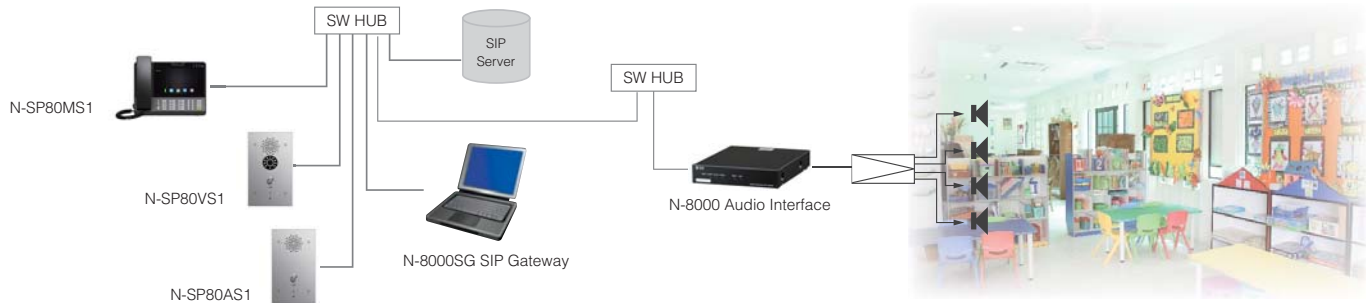
### **N-SP80AS1** SIP Audio Door Station

- Compatible with major audio codecs
- High-quality audio transmission
- Built-in AEC (Acoustic Echo Canceller)
- Full-duplex communication
- Less cabling thanks to PoE

# PA & Intercom System Integration

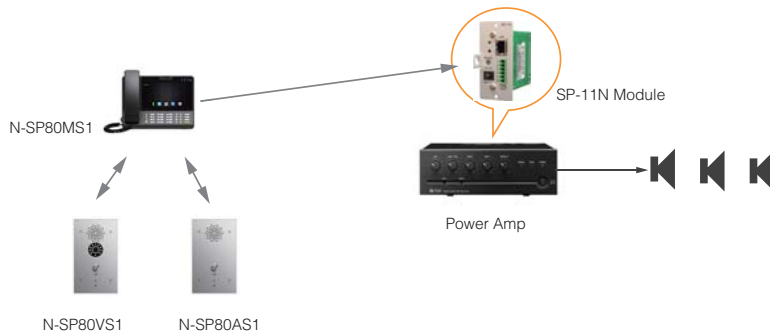
## » Application with SIP server

Collaboration with TOA's N-8000 Series allows N-SP80MS1 to do 2-way communication, general paging, and relay output control.



## » Peer-to-peer application

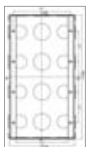
By using SP-11N VoIP phone paging module with a compatible amplifier, paging system can be configured without SIP server.



## Specifications

	<b>N-SP80MS1</b>
Graphic Display	7-inch capacitive touch screen TFT LCD, 800 x 480 pixels, 16:9 wide screen aspect ratio
Camera	2 mega pixels CMOS camera, free rotation
Network Protocol	SIP RFC3261, TCP/UDP/IP, PPPOE, RTP/RTCP
Operation System	Android 4.2
Voice Codec	G.711A/U, G.723, G.729a/b, G.722, iLBC, AMR-NB, AMR-WB, OPUS
Video Codec	H.263, H.264
DTMF Modes	Inband, RFC2833, SIP INFO
Audio Features	VAD, CNG, Echo Canceller G.165/G.168
Network Interface	Dual switched 10/100Mbps port, optional PoE
Wi-Fi	IEEE802.11 b/g/n
External Interface	USB 2.0, 3.5mm headset jack, HDMI
IP assignment	Static IP, DHCP, PPPoE
Management	LCD Menu Configuration, TR069, WebUI
Dimensions (W x H x D)	230 x 218 x 93.7 mm (9.06" x 8.58" x 3.69")

	<b>N-SP80VS1</b>	<b>N-SP80AS1</b>
Camera	2 mega pixels	-
Resolution	Up to 1080p	-
Button	1 panic button; 1 reset button (on board)	
Microphone	1 integrated microphone, IP67	
Speaker	2 Watt, IP66	
Input Relay	2 input relays for alarm	
Output Relay	2 output relays for door opener	
Call Indication	1 RGB LED (colors: red, green, blue)	
Power Input	12V DC input	
Power Consumption	Less than 12W	
Dust/Water Protection	IP54	
Operating Temperature	-20 °C to +55 °C (-4 °F to +131 °F)	
Installation	Flush-mounted, Fit in Clipsal 164/4 back box	
Finish	316 grade stainless steel	
Dimensions	PCB: 74 x 140 mm (2.91" x 5.51") With flush-mount kit (W x H x D) : 120 x 210 x 61 mm (4.72" x 8.27" x 2.4")	



### YC-400 4 Gang Back box

- Optional accessory for N-SP80VS1 or N-SP80AS1

## TOA Canada Corporation

6150 Kennedy Road, Unit 3, Mississauga, ON • 1-800-263-7639  
www.TOAcana.com • sales@toacanada.com

