

## N-SP80MS1

### SIP MULTIMEDIA STATION



The N-SP80MS1 is a SIP compliant Multimedia station designed for use in combination with the common IP telephone system. Equipped with a 7" touch panel screen, it can be used for video communications, enabling you to make conversation while monitoring the camera image sent through the N-SP80VS1 SIP Video door station. It has a built-in camera, which allows video communications to be made between the same models (N-SP80MS1 units). One of the following 3 conversation methods can be selected: handset conversation, hands-free conversation, and headset conversation (a headset needs to be connected to a headset terminal). The N-SP80MS1 can be operated when connected to a PoE-compatible switching hub using a LAN cable. Another feature includes a multicast audio stream output function used for paging.

### Key features

## Specifications

Power Supply	PoE (IEEE802.3af) or 12 V DC (use of the optional AC adapter)
Power Consumption	12 W or less
Speech Method	Hands-free or Handset or Headset conversation
Audio Bandwidth	G.722 codec: up to 7 kHz
Hands-free	Speaker: 5 cm (1.97) Cone-type Microphone: Omni-directional electret condenser microphone
Handset	Receive path: 3.6 cm (1.42) Cone-type Send path: Electret condenser microphone
Display	7 inch capacitive touch screen TFT LCD, 800 x 480 pixels, 16:9 wide screen
Camera	Image device: 1/5 CMOS" Number of effective pixels: 2 M pixels Maximum resolution: 1080 p Other features: Free-Rotation
Video	Image size: QCIF, QVGA, CIF, 4CIF, VGA Bit rate: 64 kbps - 2 Mbps
External Interface	USB2.0
Network	Network I/F: 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: Multicast transmission x1 Connector: RJ45 2 ports (one supports PoE (IEEE802.3af)) 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
Installation Method	Desktop
Operating Temperature	0 # to +40 # (32 # to 104 #)
Operating Humidity	10 % to 90 %RH (no condensation)
Finish	Body, Handset: ABS resin, black
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.
Weight	1.1 kg (2.43 lb)
Included Accessories	Handset ...1, Curl cord ...1, LAN cable ...1
Optional Accessories	AC adaptor: AD-1215P, AD-5000-2

## A&E specifications

The multimedia station shall be a freestanding Android-based smart telephone with 4.2 operation system, 16:9 widescreen aspect ratio 7 inch TFT LCD touchscreen with 800 x 480 pixel resolution and a 2M CMOS sensor camera. The multimedia station shall utilise Session Initiation Protocol (SIP) for the purpose of high-quality transmission of audio and video and shall support audio codecs G.711a, G.711 $\mu$ , G.722, G.729 and shall use H.263, H.264 video compression methods. The multimedia station shall be compatible with other SIP servers, for instance, Cisco CUCM, Asterisk and Genetec Sipelia.\* Additionally, the multimedia station shall be able to operate in the peer-to-peer mode with no additional requirement for a SIP server allowing an unlimited number of stations to be connected to the system. Configuration and settings shall be made via a web browser and shall be password protected. Connecting the station to a switching hub with PoE functionality shall eliminate the need for an AC adapter although it shall be possible to connect an external 12V DC power supply if required. The multimedia station shall be capable of automatic duplex hands-free operation without the use of handsets and shall employ echo cancellation. A handset shall also be included for privacy use. Other features shall include, adjustable camera angles, storage for up to 3000 contact names, forward settings (always/call/no answer), do not disturb function, auto redial, USB interface for import/export of data and a 3.5mm stereo headphone socket for earphones or headset. The multimedia station shall be able to work in conjunction with TOA Corporation's N-8000 intercom system to deliver public announcements by interfacing to TOA Corporation's N-8000SG Q SIP Gateway. Power requirements shall be 12 V DC from an optional AC adapter or by using a compliant PoE switching hub. The dimension shall be 240 (W) x 214 (H) x 117 (D) mm (9.45" x 8.43" x 4.61") with an ABS finish.

Optional extras: AD-1215P or AD-5000-2 AC adapter manufactured by TOA Corporation.

\*All company names mentioned are trademarks or registered trademarks of their respective owners.

Manufacturer: TOA Corporation

Model: N-SP80MS1