N-8600MS Y

IP MASTER STATION



The N-8600MS is an IP multifunctional master station employing packet audio technology. Connecting the N-8600MS to an IP network (LAN or WAN) permits hands-free or handset conversation of high sound quality to be made between the N-8600MS and intercom stations connected to the IP Intercom Exchange, or between the N-8600MS units. Besides, the N-8600MS can be used in conjunction with the Multi Interface units through a network. The Multifunctional Master Station provides LCD display, Auto-dialer function enabling one-touch dialing, headset terminal and external speaker terminal. Power can be supplied from the PoE (Power over Ethernet) switching hub. (In this case, an AC adapter is not required.) This station can be mounted to the wall using an optional YC-280 wall mounting bracket.

Key features

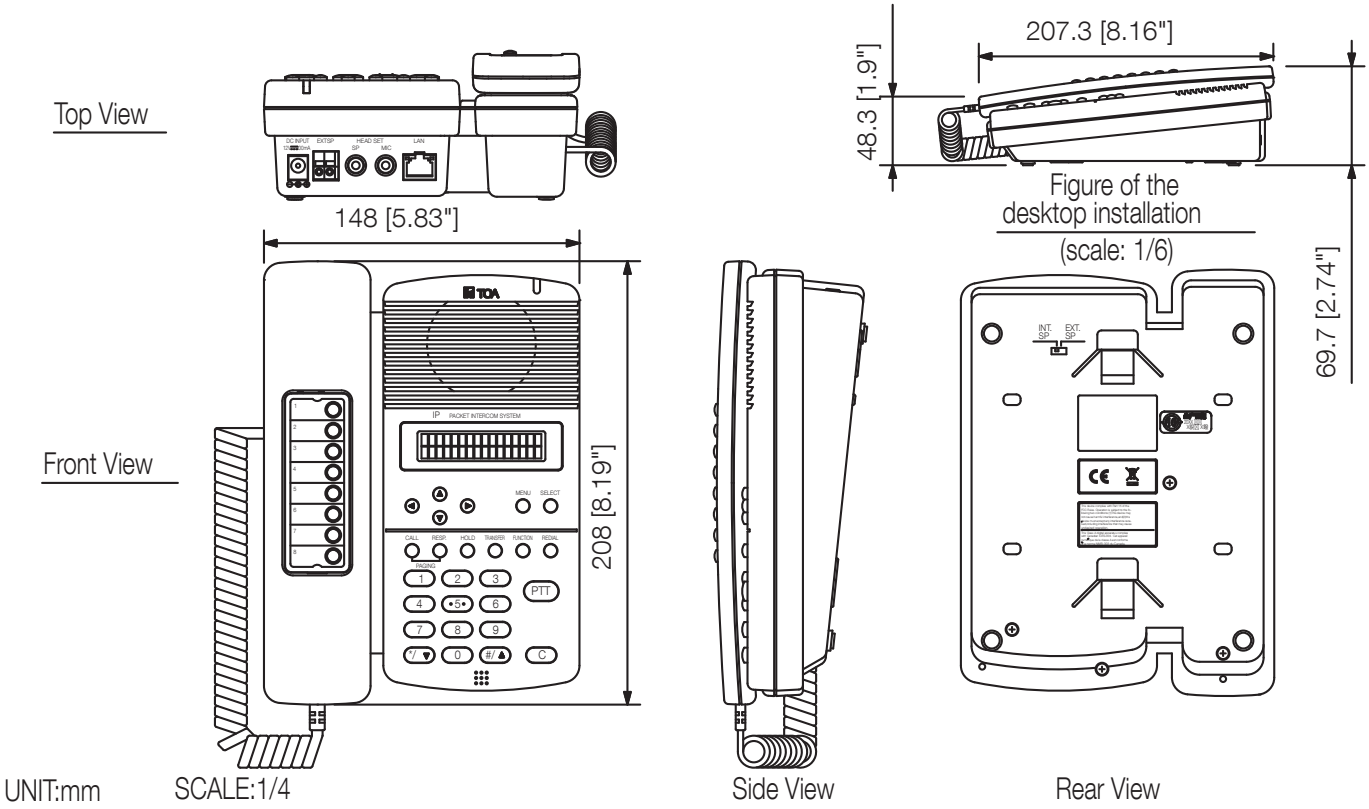
- With LC-Display
- Hands-free or handset conversation
- Auto-dialer function
- Headset terminal
- External speaker terminal
- High sound quality
- PoE
- Status LED

Specifications

* 0 dB = 1 V

Power Source	Power supply device that complies with IEEE802.3af standard or 12 V DC (supplied from the AC adapter (option)
Power Consumption	Use of the AC adapter (12 V DC): 2.5 W (station only) Use of the PoE (48 V DC): 3 W
Speech Method	Hands-free or handset conversation
Audio Frequency Range	300 Hz - 7 kHz
Hands-free	Speaker: 5.7 cm (2.24") cone-type Microphone: Omni-directional electret condenser microphone
Handset	Receive path: Dynamic type, Send path: Electret condenser microphone
Network Section	Network I/F: 10BASE-T/100BASE-TX (Automatic-Negotiation) Network protocol: TCP/IP, UDP, HTTP, RTP, ARP, ICMP, IGMP Audio packet transmission system: Unicast, Multicast Number of paging destinations: Unicast (max. 16), Multicast (max. 191) Connector: LAN: RJ45 connector (PoE compatible) Voice sampling frequency: 16 kHz, 8 kHz (controllable on the software) Quantifying bit number: 16 bits Voice encoding method: Sub-band ADPCM, Cryptosystem Voice packet loss recovery: Silence insertion Audio delay time: 80 ms, 320 ms (controllable on the software)
Display	LCD: Alphanumeric characters (16 characters x 2 lines)
Indicator	Status lamp
External Speaker Terminal	Maximum output 0.5 W, 8 Ω, screwless connector (2 pins)
Headset Terminal	Speaker: 150 Ω, Ø3.5 mm (0.14") mini jack Microphone: -49 dB*, Ø3.5 mm (0.14") mini jack
Installation Method	Desk/Surface mounted master station (When mounting to the wall, use the optional YC-280.)
Operating Temperature	0 °C to +40 °C (32 °F to 104 °F)
Operating Humidity	90 %RH or less (no condensation)
Finish	Body, Handset: ABS resin, gray
Dimensions	148 (W) x 208 (H) x 70.5 (D) mm (5.83" x 8.19" x 2.78") (excluding a curl cord section)
Weight	770 g (1.7 lb)
Included Accessories	CD (for PC setting, maintenance use) …1
Optional Accessories	Wall mounting bracket: YC-280, AC adapter: AD-1210P, AD-1215P

Dimensions



Published on 2026/11/04

A&E specifications

The IP master station unit is designed for use with TOA's packet intercom system (IP network compatible intercom system) that employs the packet audio technology and can be connected to an existing local area network (LAN) or wide area network (WAN).Network shall be made possible using RJ45 connection via switching hub. Connecting the station to a switching hub with PoE functionality eliminates the need for an AC adapter. Network interface shall be I/F 10BASE-T/100BASE-TX (Automatic-Negotiation) Auto MDI/MDI-X compatible Network Protocol TCP/IP, UDP, ARP, ICMP, HTTP, RTP, IGMP.The IP master station shall be able to connect to fibre-optic networks without restriction on operation distance and shall be possible to broadcast up to 8 paging destinations using unicast transmission and up to 191 in multicast.By connecting the IP master station unit to a LAN via its RJ45 connector shall make it possible to broadcast conversation and paging calls between IP stations. An emergency message can be programmed into the IP master station and broadcast to a pre-programmed zone with the key operation or external control input. The IP master station shall employ echo cancellation and will allow hands-free duplex operation without the need to lift the handset.The IP master station shall be able to initiate an all-call page to all other stations simultaneously to all programmed paging groups within the system. It shall be possible to remove stations, through programming, from receiving all-call and restrict any station from initiating an all-call. The master station shall permit up to 8 BGM sources.
The master station shall also perform the following features: Voice calling, Automatic connection, Continuous call, One-touch dialing, Call hold, Automatic call forwarding, Emergency paging, Scan monitoring, Three-party conference and many more.
The IP multifunctional master station shall have a 2 line, 16-alphanumeric character information LCD display. LCD display and a headset terminal plus an external speaker terminal employing circuitry that prevents acoustic feedback or echo generated when the voice output from the internal speaker enters the microphone The IP Master station shall include dedicated software that will enable centralised control and log verification and system maintenance from a personal computer. Line supervision can also be performed using a personal computer and Internet browser.The IP master station can be desk mounted or mounted to a wall using an optional wall-mounting bracket.The dimension of the IP master station shall be 148 (W) × 208 (H) × 69.7 (D) mm (5.83” x 8.19” x 2.74”). Weight shall be 770 g (1.7lb.) and both body and handset shall be finished in light grey ABS resin.
Optional extras: YC-280 wall mounting bracket. AD-1210P, AD-1215P AC adapter manufactured by TOA Corporation.