

## DESCRIPTION

The N-8500MS is an IP multifunctional master station employing packet audio technology. Connecting the N-8500MS to an IP network (LAN or WAN) permits hands-free or handset conversation of high sound quality to be made between the N-8500MS and intercom stations connected to the IP Intercom Exchange, or between the N-8500MS units. Besides, the N-8500MS 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.

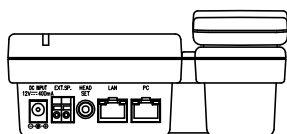
## SPECIFICATIONS

\* 0 dB = 1 V

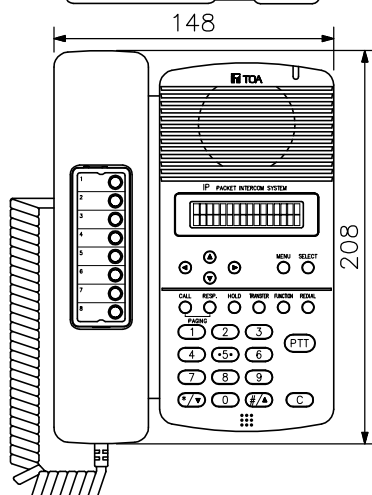
Power Source	Power supply device that complies with IEEE802.3af standard or 12 V DC (supplied from the AC adapter (option))
Power Consumption	4.2 W (at rated), 6 W (max.)
Speech Method	Hands-free or handset conversation
Audio Frequency Range	300 - 7,000 Hz
Hands-free	Speaker: 5.7 cm cone-type, 0.6 W, 8 Ω Microphone: Omni-directional electret condenser microphone
Handset	Receive path: Cone-type, Send path: Electret condenser microphone
Headset Terminal	Speaker: 3 mW, 32 Ω, Microphone: -49 dB*, Ø3.5 mm mini jack
External Speaker Terminal	0.6 W, 8 Ω, screwless connector (2 pins)
Network Section	
Network I/F	10BASE-T/100BASE-TX (Auto-Negotiation)
Network Protocol	TCP/IP, UDP, ARP, ICMP, HTTP, RTP, IGMP
Audio Packet Transmission System	Unicast (1 speech link, simultaneous paging to up to 16 zones) Multicast (simultaneous paging to up to 79 zones)
Connector	LAN: RJ45 connector (PoE compatible) PC: RJ45 connector (not-compatible with PoE)
Voice Sampling Frequency	16 kHz, 8 kHz (controllable on the software)
Quantifying Bit Number	16-bit
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	
Display	LCD: Alphanumeric characters (16 characters × 2 lines)
Installation Method	Desk/Surface mounted master station (When mounting to the wall, use the optional YC-280.)
Operating Temperature	0°C to +40°C
Operating Humidity	Under 90% RH (no condensation)
Finish	Body, Handset: ABS resin, gray
Dimensions	148 (W) × 208 (H) × 70.5 (D) mm (excluding a curl cord section)
Weight	810 g
Accessory	CD (for PC setting, maintenance use) ---1
Option	Wall mounting bracket: YC-280, AC adapter: AD-1210P

## APPEARANCE

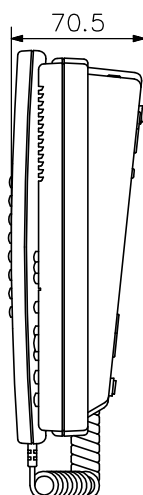
Top View



Front View



UNIT:mm SCALE:1/4



Side View

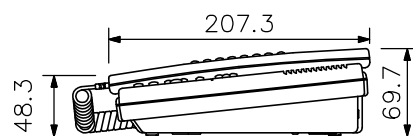
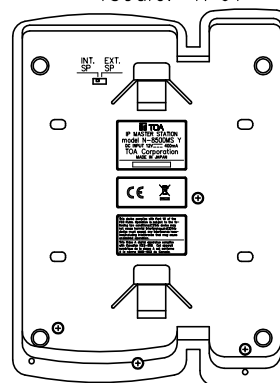


Figure of the desktop installation  
(scale: 1/6)



Rear View