TOA

IP MASTER STATION

N-8510MS(Y)

■DESCRIPTION

The N-8510MS is an IP Master station designed for use with TOA's packet intercom system that employs the packet audio technology. Connecting the N-8510MS to an IP network (LAN or WAN) permits hands-free or handset conversation of high sound quality to be made between the N-8510MS and intercom stations connected to the IP Intercom Exchange, or between the N-8510MS units. Besides, the N-8510MS can be used in conjunction with the Multi Interface units through a network. 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 Hz − 7 kHz
Hands-free	Speaker: 5.7 cm (2.24") cone-type, 0.6 W, 8 Ω Microphone: Omni-directional electret condenser microphone
Handset	Receive path: Cone-type, Send path: Electret condenser microphone
External Control Input Terminal	No-voltage contact input, open voltage: 5 V DC, short-circuit current: 5 mA or less, screwless connector (2P)
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 191 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)
Installation Method	Desk/Surface mounted master station (When mounting to the wall, use the optional YC-280.)
Operating Temperature	0 ℃ to +40 ℃ (32 ℉ to 104 ℉)
Operating Humidity	90 %RH or less (no condensation)
Finish	Body, Handset: ABS resin, gray
Dimensions	148 (W) × 208 (H) × 70.5 (D) mm (5.83" × 8.19" × 2.78") (excluding a curl cord section)
Weight	740 g (1.63 lb)
Accessory	CD (for PC setting, maintenance use, emergency message creating software) ···1
Option	Wall mounting bracket: YC-280, AC adapter: AD-1210P

■APPEARANCE

Top View

148 [5.83"]

Front View

208 [8.19"]

70.5 [2.77"]

Side View

207.3 [8.16"]

48.3 [1.9"]

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

69.7 [2.74"]

Rear View

UNIT:mm　SCALE:1/4