TOA

AUDIO INTERFACE UNIT — N-8000AF(CU)

■DESCRIPTION

The N-8000AF is an Audio interface unit designed for use with TOA's packet intercom system (IP network-compatible intercom system) that employs the packet audio technology. It has an analog audio input and output, a time synchronization contact input, and each 8 contact inputs and outputs. Connecting the unit to the LAN permits recording of conversations, chime broadcast at regular intervals (time signal) and paging broadcast to be realized. It can be mounted in an EIA equipment rack (1U size) with the use of an optional rack mounting bracket or installed on a wall using an optional wall mounting bracket.
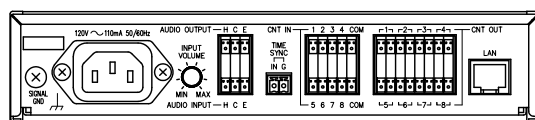
■SPECIFICATIONS

* 0 dB = 1 V

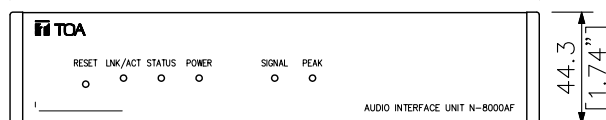|	
Power Source	120 V AC, 50/60 Hz
Power Consumption	7 W (max.)
Audio Input	1 input (transformer isolated), −58 dB* to 0 dB*, 2 kΩ, balanced (MIC/LINE input, controllable on the software) with input volume control knob, removable terminal block (3 pins)
Audio Output	1 output (transformer isolated), 0 dB*, 600 Ω, balanced, removable terminal block (3 pins)
Contact Input	8 inputs, no-voltage make contact input, open voltage: 24 V DC, short-circuit current: 5 mA or less, removable terminal block (10 pins), (1 common terminal for 4 inputs)
Contact Output	8 outputs, relay contact output, contact capacity: 24 V DC/2 − 500 mA, removable terminal block (16 pins)
Time Sync Input	1 input, no-voltage make contact input, open voltage: 24 V DC, short-circuit current: 5 mA or less, removable terminal block (2 pins)
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. 8), Multicast (max. 191) Connector: RJ45 connector 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)
Indication	Network LNK/ACT indication, Status lamp, Power-on indication lamp, Signal lamp, Peak lamp
Other	Firmware update function, System data hold function, Time of day hold facility, Reset switch (front panel)
Setting Method	Rack, Desk, Surface mount
Operating Temperature	0 ℃ to +40 ℃ (32 ℉ to 104 ℉)
Operating Humidity	90 %RH or less (no condensation)
Finish	Pre-coated steel plate, black, 30 % gloss
Dimensions	210 (W) × 44.3 (H) × 267 (D) mm (8.27" × 1.74" × 10.51")
Weight	1.7 kg (3.75 lb)
Accessory	Power cord (2 m (6.56 ft)) ⋯1, CD (for PC setting, maintenance use) ⋯1, Removable terminal plug (2 pins) ⋯1, Removable terminal plug (3 pins) ⋯2, Removable terminal plug (5 pins) ⋯2, Removable terminal plug (8 pins) ⋯2, Plastic foot⋯4, Screw for fitting plastic foot ⋯4
Option	Rack mounting bracket: MB-15B-BK (for rack mounting one N-8000AF unit) MB-15B-J (for rack mounting two N-8000AF units) Wall mounting bracket: YC-850

■APPEARANCE

Rear View

Front View

Side View

210 [8.27"]

267 [10.51"]

250.5 [9.86"]

44.3 [1.74"]

51.1 [2.01"]

UNIT:mm   SCALE:1/3