

N-8000AL CU

TELEPHONE INTERFACE UNIT



The N-8000AL is a Telephone interface unit designed for use with TOA's packet intercom system (IP network-compatible intercom system) that employs the packet audio technology. It has a single telephone line interface, allowing an analog telephone to be connected. Connecting the unit to the LAN permits the analog telephone to be operated in the same manner as the intercom master station.

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.

Key features

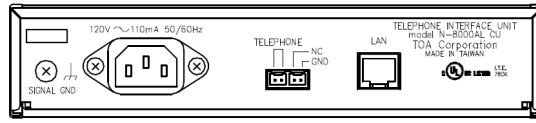
- 10 Base-T / 100 Base-TX Ethernet network connection
- Single telephone line allowing one analogue telephone to be connected

Specifications

Power Source	120 V AC, 50/60 Hz
Power Consumption	8 W (max.)
Telephone Interface	Number of telephone line: 1 line Selective signal type: DTMF signal Monitoring function: Line Loop detection Control function: Caller ID function Wiring method: 1 pair of twisted pair cables Short-circuit current: 120 mA Open voltage: 24 V DC Calling signal output voltage: Max. 80 V (0-p) AC (16 Hz)
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)
Indicator	Network LNK/ACT indication, Status lamp, Power-on indication lamp, Telephone status lamp
Other	Firmware update function, System data hold function, Time of day hold facility, Reset switch (front panel)
Installation Method	Rack, Desk, Surface mount
Operating Temperature	0 °C to +40 °C (32 °F to 104 °F)
Operating Humidity	90 %RH or less (no condensation)
Finish	Pre-coated steel plate, black, 30 % gloss
Dimensions	210 (W) x 44.3 (H) x 267 (D) mm (8.27" x 1.74" x 10.51")
Weight	1.7 kg (3.75 lb)
Included Accessories	Power cord (2 m (6.56 ft) ...1, CD (for PC setting, maintenance use) ...1, Mini-clamp plug (2 pins) ...2, Plastic foot ...4, Screw for fitting plastic foot ...4
Optional Accessories	Rack mounting bracket: MB-15B-BK (for rack mounting one N-8000AL unit) MB-15B-J (for rack mounting two N-8000AL units) Wall mounting bracket: YC-850

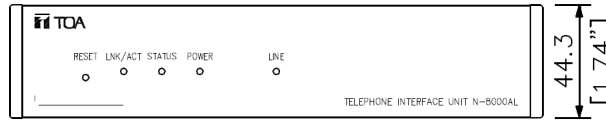
Dimensions

Rear View



210 [8.27"]

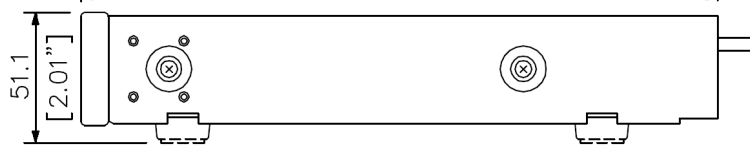
Front View



267 [10.51"]

250.5 [9.86"]

Side View



UNIT: mm

A&E specifications

The telephone interface 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 a switching hub. 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 telephone interface unit shall have a single telephone socket allowing the connection of an analogue telephone, by connecting the telephone interface unit to a LAN via its RJ45 connector permits the analogue telephone to be operated in the same manner as an intercom master station.

The telephone interface unit shall have indication lamps on the front panel displaying:

LNK/ACT lights green when connected to a network, and flashes while transmitting or receiving data. STATUS continuously lights red while data is written to an internal storage medium. POWER lights green when power is supplied to the unit. LINE INDICATOR lights green when the connected telephone is off-hook.

The telephone interface unit shall include dedicated software that will enable centralised control, log verification and system maintenance from a personal computer. Line supervision can also be performed using a personal computer and Internet browser. Power requirements shall be 220 – 240V AC.

It shall use only one-half EIA component rack space and its dimensions shall be 210 (W) × 44.3 (H) × 267 (D) mm (8.27" × 1.74" × 10.51") Weight shall be 1.7 kg (3.75 lb.) and finished in black pre-coated steel plate. Alternatively, the unit can be free standing or wall mounted

Optional extras: MB-15B-BK rack mounting bracket (for rack mounting one unit). MB-15B-J rack mounting bracket (for rack mounting two units). YC-850 wall mounting bracket manufactured by TOA Corporation.