# N-8000CO CE

C/O INTERFACE UNIT




The N-8000CO is a C/O 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 central office line circuit, allowing the intercom station to make and receive calls to and from the telephone line. Connecting the unit to the LAN permits paging calls through analog subscriber line to be made and the equipment connected to the N-8000MI and N-8000DI to be controlled.
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

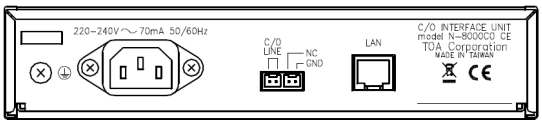
- 10 Base-T / 100 Base-TX Ethernet network connection
- Analog central office line circuit allowing the stations to make and receive calls to and from the telephone line

# Specifications

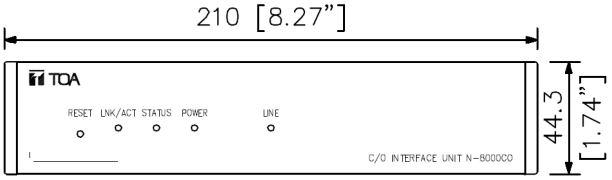
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|---|---|
| Power Source | 220 - 240 V AC, 50/60 Hz |
| Power Consumption | 7 W (max.) |
| C/O Interface | Public Switched telephone networks<br>Number of lines: 1 line<br>Selective signal type: DTMF signal<br>Signal system: Compatible with loop start signaling<br>Wiring method: 1 pair of twisted pair cables |
| Network Section | Network I/F: 10BASE-T/100BASE-TX (Automatic-Negotiation)<br>Network protocol: TCP/IP, UDP, HTTP, RTP, ARP, ICMP, IGMP<br>Audio packet transmission system: Unicast, Multicast<br>Number of paging destinations: Unicast (max. 8), Multicast (max. 191)<br>Connector: RJ45 connector<br>Voice sampling frequency: 16 kHz, 8 kHz (controllable on the software)<br>Quantifying bit number: 16-bit<br>Voice encoding method: Sub-band ADPCM, Cryptosystem<br>Voice packet loss recovery: Silence insertion<br>Audio delay time: 80 ms, 320 ms (controllable on the software) |
| Indicator | Network LNK/ACT indication, Status lamp, Power-on indication lamp,<br>Line in-use lamp |
| Other | Firmware update function, System data hold function, Time of day hold facility,<br>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,<br>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-8000CO unit)<br>MB-15B-J (for rack mounting two N-8000CO units)<br>Wall mounting bracket: YC-850 |

# Dimensions

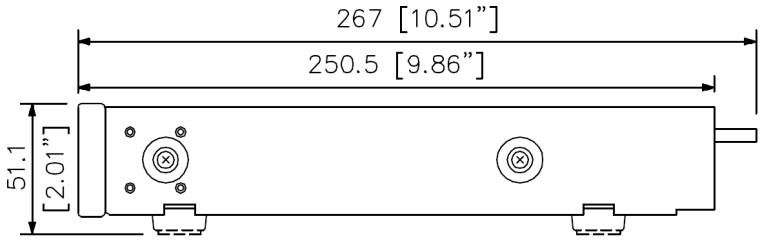
Rear View




Front View




Side View




UNIT: mm

# A&E specifications

The central office 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 central office interface unit shall have an analogue central office line circuit that allows the intercom station to make and receive calls to and from the telephone line. By connecting the telephone interface unit to a LAN via its RJ45 connector shall permit paging calls through an analogue subscriber line to be made, and to control ancillary equipment such as N-8000MI and N-8000DI (manufactured by TOA Corporation).
The central office 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. SUBSCRIBER LINE remains green while accessing the subscriber line.
The central office interface 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 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.