



# SUB STATION INTERFACE UNIT

N-8400RS(CE)

## DESCRIPTION

The N-8400RS is a Sub-station interface unit designed for use with TOA's packet intercom system (IP network-compatible intercom system) that employs the packet audio technology.

Up to 16 sub-stations can be connected using 2 sets of twisted pair cables.

The number of LAN-connected N-8000 system components such as the N-8400RS and IP intercom exchanges is 192 maximum in total.

Connecting the unit to the LAN permits the sub-station to receive paging calls and make calls to both the master station connected to the IP intercom exchange and the IP master station.

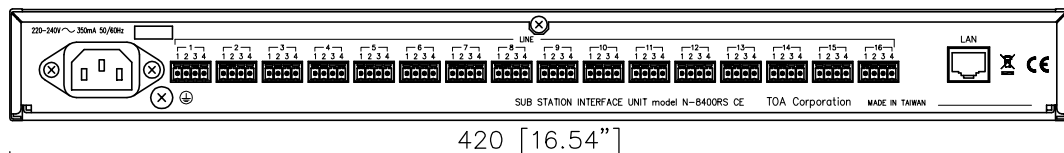
It can be mounted in an EIA equipment rack (1U size) with the use of an accessory rack mounting bracket or installed on a wall using an optional wall mounting bracket.

## SPECIFICATIONS

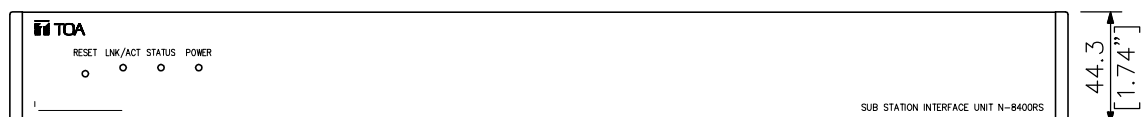
|                                   |  |
|-----------------------------------|--|
| Power Source                      | 220 - 240 V AC, 50/60 Hz   |
| Power Consumption                 | 30 W (at rated), 45 W (max.)   |
| Interface Section for Sub-station | Number of lines: 16 lines<br>Number of speech link: Internal: 1/External: 2<br>Transmission system: Analog baseband<br>Transmission range: 1000 m (1093.61 yd)/ $\phi$ 0.5 mm (AWG24), 1500 m (1640.42 yd)/ $\phi$ 0.65 mm (AWG22), 2000 m (2187.23 yd)/ $\phi$ 0.9 mm (AWG19)<br>Speech method: Half-duplex conversation by way of voice switch (Hands-free), Full-duplex (Handset)<br>Connector: Removable terminal block (4 pins)<br>Wiring method: 2 sets of twisted pair cables<br>Audio output: Max. 1 W/line (conversation), Max. 0.5 W/line (paging)<br>Feeding voltage/current: 24 V DC, 30 mA max.<br>Control signal: Call in button detection, hook detection |
| 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: 0, *Reception only<br>Connector: RJ45 connector<br>Voice sampling frequency: 16 kHz, 8 kHz (controllable on the software)<br>Quantifying bit number: 16 bits<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)   |
| Indication                        | Network LNK/ACT indication, Status lamp, Power-on indication lamp  |
| Other                             | Firmware update function, System data hold function, Reset switch (front panel), Forced air cooling  |
| Setting 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                        | 420 (W) × 44.3 (H) × 325.5 (D) mm (16.54" × 1.74" × 12.81")  |
| Weight                            | 4 kg (8.82 lb)   |
| Accessory                         | Power cord (2 m (6.56 ft)) $\times$ 1, CD (for PC setting, maintenance use) $\times$ 1, Removable terminal plug (4 pins) $\times$ 16, Plastic foot $\times$ 4, Screw for fitting plastic foot $\times$ 4, Rack mounting bracket $\times$ 2, Screw for mounting bracket $\times$ 8, Screw for rack mounting $\times$ 4  |
| Option                            | Wall mounting bracket: YC-850  |

## APPEARANCE

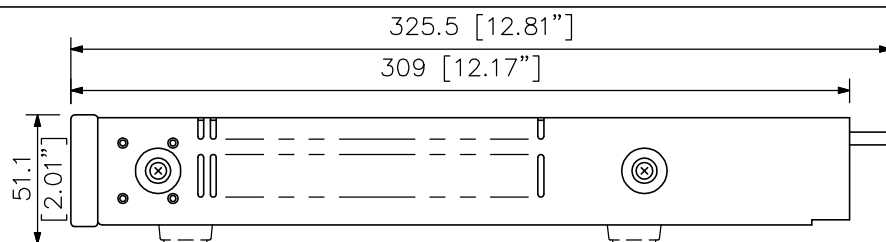
Rear View



Front View



Side View



UNIT: mm SCALE: 1/3