

## IP INTERCOM EXCHANGE

N-8000EX(CE-GB)

## ■ DESCRIPTION

The IP Intercom Exchange uses packet audio technology to permit connection of up to sixteen N-8000 Series stations, and features two outputs for public address paging. Hands-free conversation is possible between stations. Moreover, the exchange is equipped with a networking interface, allowing up to 192 exchanges to be connected over a network using additional IP intercom exchanges. The Exchange can be mounted in an EIA standard rack (1-unit size) or to a wall using the supplied bracket.

## ■ SPECIFICATIONS

■3FLCII ICA IION	* 0 dB = 1 V
Power Source	220 - 230 V AC, 50/60 Hz
Power Consumption	50 W (at rated), 75 W (max.)
Interface Section	Number of lines: 16 lines
for station	Number of speech link: Internal: 4/External: 8
	Type of Speech Path: Space sharing/Time Space sharing
	Transmission system: 2 wire 160 kbps echo canceller transmission system
	Signal Level: O dB* or less
	Transmission range: Max. 1500 m (1640.42 yd)
	(Ø0.65 mm (AWG22), Loop resistance 170 Ω)
	Speech method: Simultaneous conversation by way of echo canceller (Hands—free),
	Simultaneous conversation by way of echo canceller or
	Half-duplex conversation by way of voice switch (Handset),
	PTT conversation
	Connector: Dedicated connector
	Wiring method: 1 set of twisted pair cable
	Feeding voltage/current: 48 V DC, Max. 70 mA
Paging Output	Audio: 2 channels Max. 0 dB*, 600 Ω, balanced
	Control: 2 channels, relay contact output, contact capacity: 24 V DC/0.5 A
	Connector: Removable terminal block
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. 16), Multicast (max. 191)
	Connector: RJ45 connector
	Voice sampling frequency: 16 kHz, 8 kHz (controllable on the software)
	Quantifying bit number: 16 bits
	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
Other	Firmware update function, System data hold function, Reset switch (front panel)
7 1 11 1 2 14 11 1	Forced air cooling, Time of day hold facility
Installation Method	Rack, Desk, Surface mount
Operating Temperature Operating Humidity	0 °C to +40 °C (32 °F to 104 °F)
Finish	90 %RH or less (no condensation)
Dimensions	Pre-coated steel plate, black, 30 % gloss 420 (W) x 44.3 (H) x 356 (D) mm (16.54" × 1.74" × 14.02")
Weight	4.1 kg (9.04 lb)
Accessory	AC power cord (2 m) ···1, CD (for PC setting, maintenance use) ···1,
MCCESSOI y	Removable terminal plug (4 pins)2, Mini—clamp plug (2 pins)20,
	Plastic foot4, Screw for fitting plastic foot4,
	Rack mounting bracket2, Screw for rack mounting4,
	Wall mounting bracket2, Screw for mounting bracket8,
	Screw for wall mounting4
	Screw for wall mounting "4

