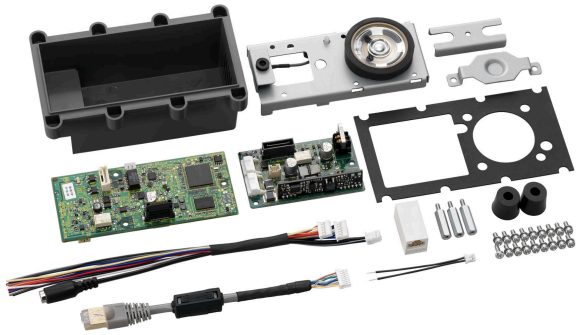
N-8640SB

IP DOOR STATION BOARD



The N-8640SB is a kit of the assembling parts for the custom-made IP door station. This kit consists of the N-8640DS IP Door Station parts excluding the front panel. You can make the IP door station suitable for applications using this kit product in combination with the operation panel section to be prepared separately.

Key features

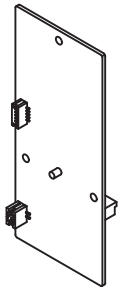
- For custom made solutions
- Features like N-8650DS
- PoE

Specifications

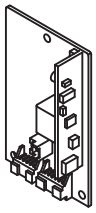
Power Source	Power supply device that complies with IEEE802.3af standard or 12 V DC (supplied from the AC adapter (option)
Power Consumption	Use of the AC adapter (12 V DC): 3.5 W (station only), Use of the PoE (48 V DC): 5 W
Speech Method	Hands-free conversation
Audio Frequency Range	300 Hz - 7 kHz
Hands-free	Speaker: 3.5 cm (1.38) cone-type Microphone: Omni-directional electret condenser microphone
Control Input	1 channel, no-voltage make contact input, open circuit voltage: 5 V DC, short circuit current: 10 mA or less, unterminated ends
Control Output	Open collector output, 4 channels, withstand voltage: 30 V DC, control current: Max. 50 mA (4 output 1COMMON), unterminated ends Relay contact output, 1 channel, withstand voltage: 30 V DC, control current: Max. 500 mA, unterminated ends
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: 0, *Reception only Connector: LAN: RJ45 connector (PoE compatible) 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)
External Speaker Terminal	Maximum output 0.5 W, 8 Ω, unterminated ends
Operating Temperature	-10 °C to +50 °C (14 °F to 122 °F)
Operating Humidity	90 %RH or less (no condensation)
Dimensions	79 (W) x 134 (H) x 53 (D) mm (3.11" x 5.28" x 2.09") (Complete assembly of component parts)
Weight	350 g (0.77 lb) (Total weight)
Optional Accessories	AC adapter: AD-1210P, AD-1215P

Note: For the assembly procedure and operation panel design, refer to the instruction manual supplied with the unit.

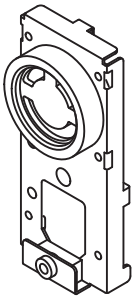
Dimensions



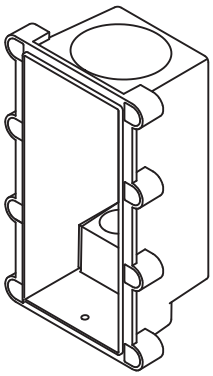
Main PC board 1



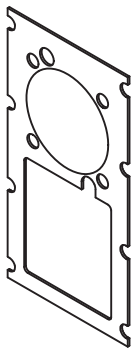
Sub PC board 1



Chassis 1
(with speaker and microphone)



Case 1



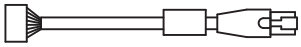
Case gasket 1



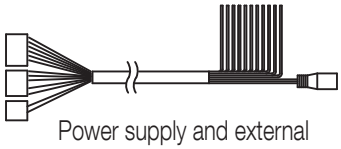
LAN coupler 1



Call switch
connection harness 1



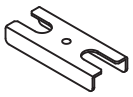
LAN connection cable 1



Power supply and external
input/output connection cable 1



Speaker bracket 1



Cord bush
fixing bracket 1



Cord bush 2

Sleeve 3



Machine screw (M3 8) 17
(with plain and spring washers)



Tapping screw (3 8) 1



A&E specifications

The IP door station board 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.Connecting the station to a switching hub with PoE functionality shall eliminate the need for an AC adapter. 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 IP door station board unit shall be capable of automatic duplex hands-free conversation between the IP door station and IP master station or master stations connected to the intercom exchange.The IP door station board unit allows the user to mount the unit into a customized housing of their choice and shall come complete with a 3.5 cm (1.38") cone-type speaker and an omni-directional electret condenser microphone allowing automatic duplex hands-free operation. It shall have 1 control input and 5 control outputs, including 1 relay channel, allowing connections to sensors such as electronic lock and other external equipment.The IP door station board shall operate in temperatures between -10 # to +50 # with a relative humidity of 90 % or less.Power requirements shall be 12 V DC from an optional AC adapter or by using a complaint PoE switching hub.The dimension shall be 79 (W) × 134 (H) × 53 (D) mm (3.11" × 5.28" × 2.09") weighing 350 g (0.77 lb).
Optional extras: AD-1210P, AD-1215P AC adapter manufactured by TOA Corporation.