

## DESCRIPTION

The Q-N8540WPC is an IP door station employing packet audio technology. Connecting the Q-N8540WPC to an IP network (LAN or WAN) permits hands-free conversation of high sound quality to be made between the Q-N8540WPC and the intercom station connected to the IP Intercom Exchange, or between the Q-N8540WPC and an IP multifunctional master station. Besides, the Q-N8540WPC can be used in conjunction with the Multi Interface units through a network. It is in full conformity with IP54 water-proof and dust-proof standards. The operating temperature range is  $-40$  to  $+50^{\circ}\text{C}$ . As provided with guard nets inside to cover over the openings of microphone and speaker, the Q-N8540WPC can be installed free from care in public space.

## SPECIFICATIONS

Power Source	Power supply device that complies with IEEE802.3af standard or 12 V DC (supplied from the AC adapter (option))
Power Consumption	4.2 W (at rated), 6 W (max.)
Speech Method	Hands-free conversation
Audio Frequency Range	300 – 7,000 Hz
Hands-free	Speaker: 3.5 cm cone-type, 1 W, $8\ \Omega$ Microphone: Omni-directional electret condenser microphone
Contact Output	Open collector output, withstand voltage: 30 V DC, control current: 50 mA one shot: can be set from 1 to 9 sec, screw terminal (polarized)
Network Section	
Network I/F	10BASE-T/100BASE-TX (Auto-Negotiation)
Network Protocol	TCP/IP, UDP, ARP, ICMP, HTTP, RTP, IGMP
Audio Packet	Unicast, Multicast
Connector	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)
Installation Method	Flush-mount/Surface-mount
Operating Temperature	$-40^{\circ}\text{C}$ to $+50^{\circ}\text{C}$
Operating Humidity	Under 90% RH (no condensation)
Housing Protection	BS EN62262: 2002: IK02 equivalent
Dust/Water Protection	IP54 (Note that panel edges must be sealed at installation.)
Resistance to Environment	Passed our gas corrosion test and neutral salt spray test
Finish	Plate: Stainless steel (SUS304), hairline Call button: Aluminum, red Circuit board: Silicone sealing agent-coated board
Dimensions	115 (W) X 162 (H) X 56.1 (D) mm
Weight	750 g
Accessory	Box mounting screw (No.6-32UNC X 18) $\times$ 4, Box mounting screw (M4 X 25) $\times$ 4, Ferrite clamp $\times$ 1,
Option	AC adapter: AD-1210P
Applicable Box (option)	For wall mount: Wall-mount Box YS-13A For flush mount: 3-gang electrical box or Back Box YC-150

## APPEARANCE

