Features

4th generation IP audio intercom terminal

Powered via IEEE 802.3af PoE

Edge processing for intelligent data transmission

Bi-directional audio transmission with echo cancellation capabilities

Single call button

Automated self-test feature allows for the testing of the push button mechanism, acoustics and data comms remotely

Tamper detection and attempted device removal notification

Automated testing of speaker and microphone

Anti-ligature speaker design to prevent self harm in security environments

Water and vandal resistant

External Connections

Ethernet/Power	1 x RJ-45 port for Ethernet data (10/100/1000 Mbit/s) and PoE
Diagnostic port	1 x Diagnostic Interface (USB 2.0 OTG via Micro AB connector)
Cabling	4 pair UTP CAT-5E/6/6A, Size 23/24 AWG, 100 m (328 ft) max.
IP/IK rating	IP rating: IP66 (as per AS/NZS/EN 60529)
	IK rating: IK10 (as per EN62262)

Compliance

CAN ICES-3(B)/NMB-3(B) CE FC RoHS

Optional accessories

JEX-4001	Multi-function Expansion Module
JCE-4000	Jacques Cable Extender Module

Specifications

Audio Characteristics

Speaker	1 x 4 Ω
Speaker Amplifier	2.5 W, 72 Hz – 15.4 kHz (output circuit frequency response -3 dB)
Max. Acoustic Output	87 dBSPL ± 3 dB @ 1 m (3.28 ft), 0 dBFS 1 kHz (non-clipped) sine wave signal
Speaker Hole Size	193 holes x 1.6 mm (0.05 in) diameter, anti-ligature design
Microphone	Digital MEMS Microphone
Microphone Hole Size	6 holes x 1.6 mm (0.06 in) diameter
	Equi-spaced on 6 mm (0.24 in) PCD
Digital MEMS Mic Sensitivity	-26 dB ±1 dB @ 94 dB SPL
Digital MEMS Mic Frequency response (-3dB)	100 Hz - 10 kHz
Audio Codecs	Opus, G.711 A-law, G.711 μ-law , G.722, Jacques PCM
Control Buttons	1 x stainless steel mechanial self-testing button 22 mm (0.9 in)
Auxiliary Functions	Tamper detection and attempted device removal notification
	Automated testing of speaker and microphone(ATSM)

General

Power Input	IEEE 802.3af Class 0 Power over Ethernet (PoE) (cannot be locally powered)
	(44 – 57) V d.c. from PSE
Power Consumption	12 W max. (2.9 W standby)
Operating Temperature	-20 - 70°C (-4 - 158)°F
Storage Temperature	-40°C to 85°C (-40°F to 185 °F)
Operating Humidity	(10 – 95) % non-condensing
Dimensions (WxHxD)	125 mm x 180 mm x 48 mm (4.92 in x 7.09 in x 1.89 in),
	60 mm (2.36 in) min. mounting depth
Weight	0.65 kg (1.43lb)
Material, Finish	316 stainless steel (2 mm / 0.08 in), Linish
Environment	Indoor and outdoor
Mounting Options	Flush mount backbox (FWE-14)
	Surface mount backbox (SWE-6/SWE-4SS)
	Rainhood (SRH-1)
Mounting Holes, Fixings	4 holes x 5.00 mm (0.20 in) diameter, M4 security torx screws