

INTERCOM TERMINAL

VSL-451Q | 52245



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
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

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 dB SPL ± 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 piezo switch 19 mm (0.75 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

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



Optional accessories

JEX-4001

Multi-function Expansion Module

JCE-4000

Jacques Cable Extender Module