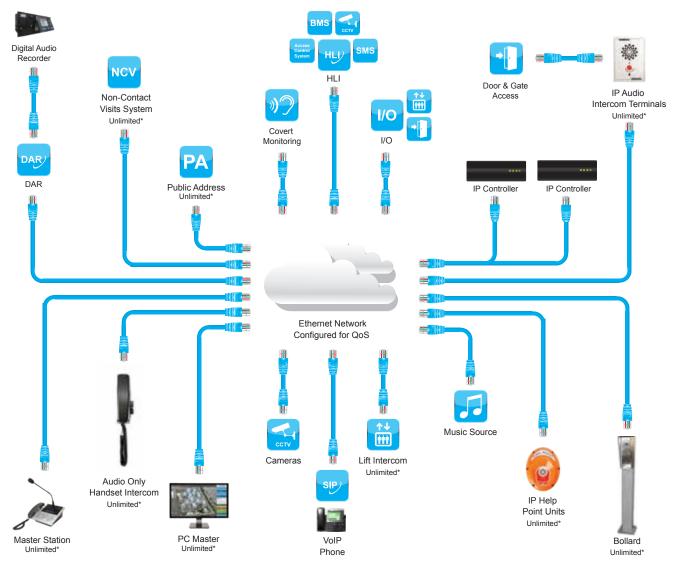


AUDIO INTERCOM SYSTEM

Designed with scalability, function and security in mind, the Jacques IP audio communication system can adapt to almost any sized application where audio intercom and/or public address is required. Experts within the security intercom and communications market, Jacques' audio communication system will withstand the harshest environments while providing quality audio communication.

Functioning on true IP technology, Jacques audio communication system fully integrates to numerous third party systems including CCTV, building & security management, digital telephony and access control systems. See how our IP audio intercom system, together with our integration capabilities, can provide a robust, high traffic communications system suitable for your industry application.

AUDIO INTERCOM SYSTEM DIAGRAM





FEATURES

- · Weather protected, robust and vandal resistant intercom terminals
- Available in a wide variety of sizes, styles and finishes, suitable for mounting in most locations
- Specialised features including covert monitoring, call recording and call isolation
- · Continuous integrity, tamper and diagnostic tests
- Can receive multiple channels of streamed audio for in-house audio distribution
- · Acoustic testing of intercom speaker and microphone
- · Optional intercom terminal customisation
- · Professional public address system











IP MASTER INTERCOM STATION IPM-360/360H/360G/360GH

PRODUCT CODE 51516, 51533, 51534, 51535

FEATURES

Network communications are based around TCP/IP protocol suite

Static or dynamic IP address assignment. Dynamic Host Configuration
Protocol (DHCP) is supported

IEEE 802.3af PoE support

Backlit display for reliable viewing in dark conditions

OPTIONAL ACCOMPANYING PRODUCTS

Handset (IPM-360H/IPM-360GH)
Flexible gooseneck microphone (IPM-360G/IPM-360GH)
Headset (AU144)

SPECIFICATIONS	
Screen	2 x 16 characters LCD, blue background with white text
Speaker	2 x 8 Ω, 2 W RMS (power rating)
Speaker Amplifier	200 Hz – 7.1 kHz (output circuit frequency response -3 dB)
Max. Acoustic Output	84 dBSPL @ 1 m, 0 dBFS 1 kHz (non-clipped) sine wave signal
Output Distortions	0.2% (0.5 W RMS speaker output)
Microphone	Internal Omni-Directional Electret (IPM-360, IPM-360H) Uni-Directional Flexible Gooseneck (IPM-360G, IPM-360GH)
Audio Streaming Bandwidth	256 kb/s both ways
Control Buttons	Metal, vandal resistant, alphanumeric keypad and PTT switch
Auxiliary Functions	Relay contacts (1 x NO)
Power Input	(12 - 32) V d.c. or IEEE 802.3af Power over Ethernet (PoE)
Power Consumption	7 W max. (3.6 W standby)
Operating Temperature	(0 - 50) °C
Operating Humidity	(10 - 95) % relative humidity (non-condensing)
Cabling	4 pair UTP CAT-5/5e/6, multi-strand (0.2 mm²), max. 100 m
Dimensions (WxHxD)	193 mm x 103 mm x 236 mm (IPM-360/IPM-360G) 254 mm x 110 mm x 236 mm (IPM-360H/IPM-360GH)
Weight	2.1 kg (IPM-360) 2.5 kg (IPM-360H) 2.3 kg (IPM-360G) 2.7 kg (IPM-360GH)
Material	Face plate: satin chrome plated mild steel Base: powder coated mild steel Window: gloss acrylic
Environment	Indoor use only
Mounting Options	Desk mount only



PC MASTER STATION PCC-650MX/PCC-650MXTS/PCC-650WIN/PCC-650WTS

PRODUCT CODE 51669, 51720, 51791, 51857

FEATURES

Complete intercom call handling functions

- · Call queue display
- · Call notification display
- · Call originate
- · Call answer/end/hold/forward
- Group calling
- Call monitoring
- · Central control location for duress/concierge calls

Complete public address functionality

- Make live and pre-recorded announcements
- · Broadcast tones, bells & alarms
- · Visual display of PA zones (unlimited number of zones depending on controller)
- Selection and playback of recorded announcements
- · Send text messages to video monitor stations

Diagnostics and reporting

· Alarm notifications including device state

Send text message notifications to Jacques Video Monitor Stations

Touchscreen compatible interface

Map, grid and database views

Upload multiple site maps to suit application/site

Customisable layout/functions to suit application requirements

CUSTOMISATION

PCC-650

MXTS

Customisable GUI

PACKAGE CONTENTS

TCH controller

Screen, keyboard & mouse

PCC-650MX/PCC-650WIN

SMI Console Package

DVI cable, power adapters and PoE converter

NUC Mini-PC (PCC-650WIN & PCC-650WTS only)

SPECIFICATIONS

Screen

	Size: 24"	Size: 22"
	Resolution: 1920 x 1080	Resolution: 1920 x 1080
	LED LCD	LED LCD with PCAP touch screen
	Contrast ratio: 5000:1	Contrast ratio: 1000:1
	Brightness: 250 cd/m ²	Brightness: 250 cd/m²
	Viewing angle: 178° H, 178° V	Viewing angle: 170° H, 160° V
Speaker	1 x 4 Ω, 3 W RMS (power rating)	
Speaker Amplifier	200 Hz - 7.0 kHz (output circuit freque	ency response -3 dB)
Max. Acoustic Output	88 dBSPL @ 1 m, 0 dBFS 2.5 kHz (non-clipped) sine wave signal	
Microphone (SMI Console)	Microphone type: Gooseneck	
	Output type: Uni-directional electret co	ondenser
	Frequency response: 50 Hz – 18 kHz	
	Sensitivity: -70 dB ± 3 dB @ 1 kHz	
Audio Streaming Bandwidth	256 kb/s both ways	
CPU	Intel Atom N270 1.6 GHz, 32-bit, single core with hyper threading	
Control Buttons	Stainless steel mechanical push-to-talk and volume buttons (SMI Console)	
Auxiliary Functions	Relay contacts (1 x NO/NC) max. 2 A @ 24 V d.c.	
Power Input	(100 – 240) V a.c. power cords/adapters included, 2 power outlets required	

PCC-650MXTS/PCC-650WTS

Jacques' fully customisable graphical user interface is the perfect solution for any application!

Power Consumption 18 W max. (PCC-650MX/PCC-650WIN)
25 W max. (PCC-650MXTS/PCC-650WTS)
5 W max. (SMI-3B1)
65 W max (NUC Mini-PC)

	65 W max (NUC Mini-PC)
Operating Temperature	(0 - 40) °C
Operating Humidity	(20 - 80) % relative humidity (non-condensing) (PCC-650MX/PCC-
	650MXTS/PCC-650WIN/PCC-650WTS)
	(10 - 90) % relative humidity (non-condensing) (SMI-3B1)
Cabling	UTP CAT-5/5e/6, multi-strand (0.75 mm²), max. 100 m
Dimensions	568 mm x 418 mm x 191 mm (PCC-650MX/PCC-650WIN)
	551 mm x 392 mm x 193 mm (PCC-650MXTS/PCC-650WTS)
	103 mm x 30.5 mm x 168 mm (SMI-3B1)
	130 mm x 145 mm x 68 mm (SMI Console)
	115 mm x 111 m x 32 mm (NUC Mini-PC)
Weight	5 kg (PCC-650MX/PCC-650WIN)
	7.5 kg (PCC-650MXTS/PCC-650WTS)
	0.35 kg (SMI-3B1)
	1.5 kg (SMI Console)
	0.7 kg (NUC Mini-PC)
Environment	Indoor use only
Mounting Options	VESA desk stand (PCC-650MX/PCC-650WIN & PCC-650MXTS/PCC-
	650WTS)

Mounting bracket, DIN rail clips (SMI-3B1)

Desk mount (SMI Console)



INTERCOM TERMINAL VSL-341W+

PRODUCT CODE 51656

FEATURES

	IP audio intercom terminal
	Standard PoE powered (IEEE 802.3af)
	Two configurable relays that can control lights, gate/door access etc.
	Tamper detection and attempted device removal notification
	Automated testing of speaker and microphone
	Marine grade 316 stainless steel face plate
	Microphone aperture deters insect nesting and water beads
	Water and vandal resistant
ICTOMICATION	

CUSTOMISATION

Call button colour Call instruction etching

Speaker	1 x 4 Ω , 1 W RMS (power rating)
Speaker Amplifier	50 Hz - 7 kHz (output circuit frequency response -3 dB), 2.5 W
Max. Acoustic Output	88 dBSPL @ 1 m, 0 dBFS 1 kHz (non-clipped) sine wave signal
Speaker Hole Size	42 x 4 – 7 mm Ø holes
Microphone	Electret condenser, omnidirectional, sensitivity -56 dB 50 Hz - 7 kHz (input circuit frequency response ±3 dB mic)
Microphone Hole Size	1 x "koala nose", 6 x 10 mm
Audio Streaming Bandwidth	128 kb/s one way, 256 kb/s both ways
Control Buttons	1 x piezo switch, red, 19 mm
Auxiliary Functions	Relay contacts (2 x NO/NC), 30 V d.c./2 A Tamper detection and attempted device removal notification Automated testing of speaker and microphone
Power Input	IEEE 802.3af Power over Ethernet (PoE) (cannot be locally powered)
Power Consumption	4.5 W max. (1.6 W standby) PoE Class 2 (3.84-6.49) W
Operating Temperature	(0 - 55) °C
Operating Humidity	(10 - 95) % relative humidity (non-condensing)
Cabling	4 pair UTP CAT-5/6, multi-strand, 24 AWG, max. 100 m
Dimensions (WxHxD)	130 mm x 290 mm x 58 mm
Weight	0.85 kg
Material	316 stainless steel (2 mm)
Finishes	Linish
Environment	Indoor and outdoor
Vandal Resistant	Yes; strong front panel, speaker and microphone aperture vandal protected
Mounting Options	Flush mount backbox (FWE-1), surface mount backbox (SWE-1/SWE-9), rainhood (SRH-2)
Mounting Holes	6 x 5 mm Ø screw holes
Fixings	6 x M4 security torx screws (included with purchase of backbox)



INTERCOM / IP PA TERMINAL VSL-350+

PRODUCT CODE 51569

FEATURES

IP audio intercom terminal
Standard PoE powered (IEEE 802.3af)
Two configurable relays that can control lights, gate/door access etc.
Tamper detection and attempted device removal notification
Automated testing of speaker and microphone
No call button, ideally suited for non-contact visits systems, ticket window booths or IP PA applications
Water and vandal resistant

Speaker	1 x 4 Ω , 1 W RMS (power rating)
Speaker Amplifier	50 Hz - 7 kHz (output circuit frequency response -3 dB), 2.5 W
Max. Acoustic Output	88 dBSPL @ 1 m, 0 dBFS 1 kHz (non-clipped) sine wave signal
Speaker Hole Size	42 x 4 – 7 mm Ø holes
Microphone	Electret condenser, omnidirectional, sensitivity -56 dB 50 Hz - 7 kHz (input circuit frequency response ±3 dB mic)
Microphone Hole Size	1 x 2.5 mm Ø hole
Audio Streaming Bandwidth	128 kb/s one way, 256 kb/s both ways
Auxiliary Functions	Relay contacts (2 x NO/NC), 30 V d.c./2A Tamper detection and attempted device removal notification Automated testing of speaker and microphone
Power Input	IEEE 802.3af Power over Ethernet (PoE) (cannot be locally powered)
Power Consumption	4.5 W max. (1.6 W standby) PoE Class 2 (3.84-6.49) W
Operating Temperature	(0 - 55) °C
Operating Humidity	(10 - 95) % relative humidity (non-condensing)
Cabling	4 pair UTP CAT-5/6, multi-strand, 24 AWG, max. 100 m
Dimensions (WxHxD)	125 mm x 180 mm x 58 mm 67 mm min. mounted depth
Weight	0.59 kg
Material	304 stainless steel (2 mm)
Finishes	Linish
Environment	Indoor and outdoor
Vandal Resistant	Yes; strong front panel, speaker and microphone aperture vandal protected
Mounting Options	Flush mount backbox (FWE-14), surface mount backbox (SWE-6/SWE-4SS), rainhood (SRH-1)
Mounting Holes	4 x 4.5 mm Ø screw holes
Fixings	4 x M4 security torx screws (included with purchase of backbox)



INTERCOM TERMINAL VSL-351+

PRODUCT CODE 51612

FEATURES

IP audio intercom terminal
Standard PoE powered (IEEE 802.3af)
Two configurable relays that can control lights, gate/door access etc.
Tamper detection and attempted device removal notification
Automated testing of speaker and microphone
Single call button
Water and vandal resistant

CUSTOMISATION

Call button colour Call instruction etching

Speaker	1 x 4 Ω , 1 W RMS (power rating)
Speaker Amplifier	50Hz - 7kHz (output circuit frequency response -3 dB), 2.5 W
Max. Acoustic Output	88 dBSPL @ 1 m, 0 dBFS 1 kHz (non-clipped) sine wave signal
Speaker Hole Size	42 x 4 – 7 mm Ø holes
Microphone	Electret condenser, omnidirectional, sensitivity -56 dB 50Hz - 7 kHz (input circuit frequency response ±3 dB mic)
Microphone Hole Size	1 x 2.5 mm Ø hole
Audio Streaming Bandwidth	128 kb/s one way, 256 kb/s both ways
Control Buttons	1 x piezo switch, red, 19 mm
Auxiliary Functions	Relay contacts (2 x NO/NC), 30 V d.c/2 A Tamper detection and attempted device removal notification Automated testing of speaker and microphone
Power Input	IEEE 802.3af Power over Ethernet (PoE) (cannot be locally powered)
Power Consumption	4.5 W max. (1.6 W standby) PoE Class 2 (3.84-6.49) W
Operating Temperature	(0 - 55) °C
Operating Humidity	(10 - 95) % relative humidity (non-condensing)
Cabling	4 pair UTP CAT-5/6, multi-strand, 24 AWG, max. 100 m
Dimensions (WxHxD)	125 mm x 180 mm x 58 mm 67 mm min. mounted depth
Weight	0.59 kg
Material	304 stainless steel (2 mm)
Finishes	Linish
Environment	Indoor and outdoor
Vandal Resistant	Yes; strong front panel, speaker and microphone aperture vandal protected
Mounting Options	Flush mount backbox (FWE-14), surface mount backbox (SWE-6/SWE-4SS), rainhood (SRH-1)
Mounting Holes	4 x 4.5 mm Ø screw holes
Fixings	4 x M4 security torx screws (included with purchase of backbox)



INTERCOM TERMINAL VSL-351W+

PRODUCT CODE 51680

FEATURES

IP audio intercom terminal
Standard PoE powered (IEEE 802.3af)
Two configurable relays that can control lights, gate/door access etc.
Tamper detection and attempted device removal notification
Automated testing of speaker and microphone
Marine grade 316 stainless steel face plate
Microphone aperture deters insect nesting and water beads
Single call button
Water and vandal resistant

CUSTOMISATION

Call button colour
Call instruction etching

Speaker	1 x 4 Ω , 1 W RMS (power rating)
Speaker Amplifier	50 Hz - 7 kHz (output circuit frequency response -3 dB), 2.5 W
Max. Acoustic Output	88 dBSPL @ 1 m, 0 dBFS 1 kHz (non-clipped) sine wave signal
Speaker Hole Size	42 x 4 – 7 mm Ø holes
Microphone	Electret condenser, omnidirectional, sensitivity -56 dB
	50 Hz - 7 kHz (input circuit frequency response ±3 dB mic)
Microphone Hole Size	1 x "koala nose", 6 x 10 mm
Audio Streaming Bandwidth	128 kb/s one way, 256 kb/s both ways
Control Buttons	1 x piezo switch, red, 19 mm
Auxiliary Functions	Relay contacts (2 x NO/NC), 30 V d.c./2 A
	Tamper detection and attempted device removal notification
	Automated testing of speaker and microphone
Power Input	IEEE 802.3af Power over Ethernet (PoE) (cannot be locally powered)
Power Consumption	4.5 W max. (1.6 W standby)
	PoE Class 2 (3.84-6.49) W
Operating Temperature	(0 - 55) °C
Operating Humidity	(10 - 95) % relative humidity (non-condensing)
Cabling	4 pair UTP CAT-5/6, multi-strand, 24 AWG, max. 100 m
Dimensions (WxHxD)	125 mm x 180 mm x 58 mm
	67 mm min. mounted depth
Weight	0.60 kg
Material	316 stainless steel (2 mm)
Finishes	Linish
Environment	Indoor and outdoor
Vandal Resistant	Yes; strong front panel, speaker and microphone aperture vandal protected
Mounting Options	Flush mount backbox (FWE-14), surface mount backbox (SWE-6/SWE-4SS), rainhood (SRH-1)
Mounting Holes	4 x 4.5 mm Ø screw holes
Fixings	4 x M4 security torx screws (included with purchase of backbox)



INTERCOM TERMINAL VSL-351Q+

PRODUCT CODE 51607

FEATURES

IP audio intercom terminal Standard PoE powered (IEEE 802.3af) Two configurable relays that can control lights, gate/door access etc. Tamper detection and attempted device removal notification Automated testing of speaker and microphone Single call button Anti-ligature speaker design to prevent self harm in security environments Water and vandal resistant

Speaker	1 x 4 Ω, 1 W RMS (power rating)
Speaker Amplifier	50 Hz - 7 kHz (output circuit frequency response -3 dB), 2.5 W
Max. Acoustic Output	88 dBSPL @ 1 m, 0 dBFS 1 kHz (non-clipped) sine wave signal
Speaker Hole Size	193 x 1.6 mm Ø holes, anti-ligature design
Microphone	Electret condenser, omnidirectional, sensitivity -56 dB 50 Hz - 7 kHz (input circuit frequency response ±3 dB mic)
Microphone Hole Size	1 x 2.5 mm Ø hole
Audio Streaming Bandwidth	128 kb/s one way, 256 kb/s both ways
Control Buttons	1 x piezo switch, red, 19 mm
Auxiliary Functions	Relay contacts (2 x NO/NC), 30 V d.c/2 A Tamper detection and attempted device removal notification Automated testing of speaker and microphone
Power Input	IEEE 802.3af Power over Ethernet (PoE) (cannot be locally powered)
Power Consumption	4.5 W max. (1.6 W standby) PoE Class 2 (3.84-6.49) W
Operating Temperature	(0 - 55) °C
Operating Humidity	(10 - 95) % relative humidity (non-condensing)
Cabling	4 pair UTP CAT-5/6, multi-strand, 24 AWG, max. 100 m
Dimensions (WxHxD)	125 mm x 180 mm x 58 mm 67 mm min. mounted depth
Weight	0.59 kg
Material	304 stainless steel (2 mm)
Finishes	Linish
Environment	Indoor and outdoor
Vandal Resistant	Yes; strong front panel, speaker and microphone aperture vandal protected
Mounting Options	Flush mount backbox (FWE-14), surface mount backbox (SWE-6/SWE-4SS), rainhood (SRH-1)
Mounting Holes	4 x 4.5 mm Ø screw holes
Fixings	4 x M4 security torx screws (included with purchase of backbox)



INTERCOM TERMINAL VSL-351QS+

PRODUCT CODE 51703

FEATURES

IP audio intercom terminal
Standard PoE powered (IEEE 802.3af)
Two configurable relays that can control lights, gate/door access etc.
Tamper detection and attempted device removal notification
Automated testing of speaker and microphone
Single call button
Automated self testing button allows for the testing of the push button mechanism, acoustics and data comms remotely
Anti-ligature speaker design to prevent self harm in security environments
Results of all diagnostic tests are logged and recorded
Water and vandal resistant
STB patent number 2012904388
(Patent for Australia only, New Zealand paent is still pending)

Speaker	1 x 4 Ω , 1 W RMS (power rating)
Speaker Amplifier	50 Hz - 7 kHz (output circuit frequency response -3 dB), 2.5 W
Max. Acoustic Output	88 dBSPL @ 1 m, 0 dBFS 1 kHz (non-clipped) sine wave signal
Speaker Hole Size	193 x 1.6 mm Ø holes, anti-ligature design
Microphone	Electret condenser, omnidirectional, sensitivity -56 dB 50 Hz - 7 kHz (input circuit frequency response ±3 dB mic)
Microphone Hole Size	1 x 2.5 mm Ø hole
Audio Streaming Bandwidth	128 kb/s one way, 256 kb/s both ways
Control Buttons	1 x stainless steel mechanical self testing button, 22 mm
Auxiliary Functions	Relay contacts (2 x NO/NC), 30 V d.c/2 A Tamper detection and attempted device removal notification Single self testing button: report server may auto test and generate reports for these buttons and speaker/mic functionality
Power Input	IEEE 802.3af Power over Ethernet (PoE) (cannot be locally powered)
Power Consumption	4.5 W max. (1.6 W standby) PoE Class 2 (3.84-6.49) W
Operating Temperature	(0 - 55) °C
Operating Humidity	(10 - 95) % relative humidity (non-condensing)
Cabling	4 pair UTP CAT-5/6, multi-strand, 24 AWG, max. 100 m
Dimensions (WxHxD)	125 mm x 180 mm x 58 mm 67 mm min. mounted depth
Weight	0.6 kg
Material	304 stainless steel (2 mm)
Finishes	Linish
Environment	Indoor and outdoor
Vandal Resistant	Yes; strong front panel, speaker and microphone aperture vandal protected
Mounting Options	Flush mount backbox (FWE-14), surface mount backbox (SWE-6/SWE-4SS), rainhood (SRH-1)
Mounting Holes	4 x 4.5 mm Ø screw holes
Fixings	4 x M4 security torx screws (included with purchase of backbox)



INTERCOM TERMINAL VSL-352+

PRODUCT CODE 51700

FEATURES

IP device used for voice control and communications Standard PoE powered (IEEE 802.3af) Two call buttons, configurable to place calls to different locations Two configurable relays that can control lights, gate/door access etc. Tamper detection and attempted device removal notification Automated testing of speaker and microphone

Speaker	1 x 4 Ω , 1 W RMS (power rating)
Speaker Amplifier	50 Hz - 7 kHz (output circuit frequency response -3 dB), 2.5 W
Max. Acoustic Output	88 dBSPL @ 1 m, 0 dBFS 1 kHz (non-clipped) sine wave signal
Speaker Hole Size	42 x 4 – 7 mm Ø holes
Microphone	Electret condenser, omnidirectional, sensitivity -56 dB 50 Hz – 7 kHz (input circuit frequency response ± dB mic)
Microphone Hole Size	1 x 2.5 mm Ø hole
Audio Streaming Bandwidth	128 kb/s one way, 256 kb/s both ways
Control Buttons	2 x piezo switch, red, 19 mm
Auxiliary Functions	Relay contacts (2 x NO/NC), 30 V d.c./2 A Tamper detection and attempted device removal notification Automated testing of speaker and microphone
Power Input	IEEE.802.3af Power over Ethernet (PoE) (cannot be locally powered)
Power Consumption	4.5 W max. (1.6 W standby) PoE Class 2 (3.84-6.49) W
Operating Temperature	(0 - 55) °C
Operating Humidity	(10 - 95) % relative humidity (non-condensing)
Cabling	4 pair UTP CAT-5/6, multi-strand, 24 AWG, max. 100 m
Dimensions (WxHxD)	125 mm x 180 mm x 58 mm 67 mm min. mounted depth
Weight	0.65 kg
Material	304 stainless steel (2 mm)
Finishes	Linish
Environment	Indoor and outdoor
Vandal Resistant	Yes; strong front panel, speaker and microphone aperture vandal protected
Mounting Options	Flush mount backbox (FWE-14), surface mount backbox (SWE-6/SWE-4SS), rainhood (SRH-1)
Mounting Holes	4 x 4.5 mm Ø screw holes
Fixings	4 x M4 security torx screws (included with purchase of backbox)



INTERCOM TERMINAL VSL-354+

PRODUCT CODE 51613

FEATURES

IP audio intercom terminal
Standard PoE powered (IEEE 802.3af)
Two configurable relays that can control lights, gate/door access etc.
Tamper detection and attempted device removal notification
Automated testing of speaker and microphone
Call, music distribution function and volume control functionality
Water and vandal resistant

Speaker	1 x 4 Ω, 1 W RMS (power rating)	
Speaker Amplifier	50 Hz - 7 kHz (output circuit frequency response -3 dB), 2.5 W	
Max. Acoustic Output	88 dBSPL @ 1 m, 0 dBFS 1 kHz (non-clipped) sine wave signal	
Speaker Hole Size	42 x 4 – 7 mm Ø holes	
Microphone	Electret condenser, omnidirectional, sensitivity -56 dB 50 Hz - 7 kHz (input circuit frequency response ±3 dB mic)	
Microphone Hole Size	1 x 2.5 mm Ø hole	
Audio Streaming Bandwidth	128 kb/s one way, 256 kb/s both ways	
Control Buttons	4 x piezo switches, 1 x red, 1 x green, 2 x black, 19 mm	
Auxiliary Functions	Relay contacts (2 x NO/NC), 30 V d.c./2 A Tamper detection and attempted device removal notification Automated testing of speaker and microphone	
Power Input	IEEE 802.3af Power over Ethernet (PoE) (cannot be locally powered)	
Power Consumption	4.5 W max. (1.6 W standby) PoE Class 2 (3.84-6.49) W	
Operating Temperature	(0 - 55) °C	
Operating Humidity	(10 - 95) % relative humidity (non-condensing)	
Cabling	4 pair UTP CAT-5/6, multi-strand, 24 AWG, max. 100 m	
Dimensions (WxHxD)	125 mm x 180 mm x 58 mm 67 mm min. mounted depth	
Weight	0.65 kg	
Material	304 stainless steel (2 mm)	
Finishes	Linish	
Environment	Indoor and outdoor	
Vandal Resistant	Yes; strong front panel, speaker and microphone aperture vandal protecte	
Mounting Options	Flush mount backbox (FWE-14), surface mount backbox (SWE-6/SWE-4SS), rainhood (SRH-1)	
Mounting Holes	4 x 4.5 mm Ø screw holes	
Fixings	4 x M4 security torx screws (included with purchase of backbox)	



INTERCOM TERMINAL VSL-361W+

PRODUCT CODE 51676

FEATURES

IP audio intercom terminal
Standard PoE powered (IEEE 802.3af)
Two configurable relays that can control lights, gate/door access etc.
Tamper detection and attempted device removal notification
Automated testing of speaker and microphone
Marine grade 316 stainless steel face plate
Microphone aperture deters insect nesting and water beads
Water and vandal resistant

CUSTOMISATION

Call button colour Call instruction etching

Speaker	1 x 4 Ω 1 W RMS (power rating)
Speaker Amplifier	50 Hz - 7 kHz (output circuit frequency response -3 dB), 2.5 W
Max. Acoustic Output	88 dBSPL @ 1 m, 0 dBFS 1 kHz (non-clipped) sine wave signal
Speaker Hole Size	42 x 4 - 7 mm Ø holes
Microphone	Electret condenser, omnidirectional, sensitivity -56 dB 50 Hz - 7 kHz (input circuit frequency response ±3 dB mic)
Microphone Hole Size	1 x "koala nose", 6 x 10 mm
Audio Streaming Bandwidth	128 kb/s one way, 256 kb/s both ways
Control Buttons	1 x piezo switch, red, 19 mm
Auxiliary Functions	Relay contacts (2 x NO/NC), 30 V d.c./2 A Tamper detection and attempted device removal notification Automated testing of speaker and microphone
Power Input	IEEE 802.3af Power over Ethernet (PoE) (cannot be locally powered)
Power Consumption	4.5 W max. (1.6 W standby) PoE Class 2 (3.84-6.49) W
Operating Temperature	(0 - 55) °C
Operating Temperature Operating Humidity	(0 - 55) °C (10 - 95) % relative humidity (non-condensing)
Operating Humidity	(10 - 95) % relative humidity (non-condensing)
Operating Humidity Cabling	(10 - 95) % relative humidity (non-condensing) 4 pair UTP CAT-5/6, multi-strand, 24 AWG, max. 100 m 125 mm x 180 mm x 58 mm
Operating Humidity Cabling Dimensions (WxHxD)	(10 - 95) % relative humidity (non-condensing) 4 pair UTP CAT-5/6, multi-strand, 24 AWG, max. 100 m 125 mm x 180 mm x 58 mm 58 mm min. mounted depth
Operating Humidity Cabling Dimensions (WxHxD) Weight	(10 - 95) % relative humidity (non-condensing) 4 pair UTP CAT-5/6, multi-strand, 24 AWG, max. 100 m 125 mm x 180 mm x 58 mm 58 mm min. mounted depth 0.6 kg
Operating Humidity Cabling Dimensions (WxHxD) Weight Material	(10 - 95) % relative humidity (non-condensing) 4 pair UTP CAT-5/6, multi-strand, 24 AWG, max. 100 m 125 mm x 180 mm x 58 mm 58 mm min. mounted depth 0.6 kg 316 stainless steel (2 mm)
Operating Humidity Cabling Dimensions (WxHxD) Weight Material Finishes	(10 - 95) % relative humidity (non-condensing) 4 pair UTP CAT-5/6, multi-strand, 24 AWG, max. 100 m 125 mm x 180 mm x 58 mm 58 mm min. mounted depth 0.6 kg 316 stainless steel (2 mm) Linish
Operating Humidity Cabling Dimensions (WxHxD) Weight Material Finishes Environment	(10 - 95) % relative humidity (non-condensing) 4 pair UTP CAT-5/6, multi-strand, 24 AWG, max. 100 m 125 mm x 180 mm x 58 mm 58 mm min. mounted depth 0.6 kg 316 stainless steel (2 mm) Linish Indoor and outdoor
Operating Humidity Cabling Dimensions (WxHxD) Weight Material Finishes Environment Vandal Resistant	(10 - 95) % relative humidity (non-condensing) 4 pair UTP CAT-5/6, multi-strand, 24 AWG, max. 100 m 125 mm x 180 mm x 58 mm 58 mm min. mounted depth 0.6 kg 316 stainless steel (2 mm) Linish Indoor and outdoor Yes; strong front panel, speaker and microphone aperture vandal protected No backbox required. Designed to be installed into an existing surface or



INTERCOM TERMINAL VSL-371W+

PRODUCT CODE 51672

FEATURES

IP audio intercom terminal, narrow design suitable for mounting in gate posts and doorways
Standard PoE powered (IEEE 802.3af)
Two configurable relays that can control lights, gate/door access etc.
Tamper detection and attempted device removal notification
Automated testing of speaker and microphone
Marine grade 316 stainless steel face plate
Microphone aperture deters insect nesting and water beads
Water and vandal resistant

CUSTOMISATION

Call button colour
Call instruction etching

Speaker	1 x 4 Ω , 3 W RMS (power rating)
Speaker Amplifier	50 Hz - 7 kHz (output circuit frequency response -3dB), 2.5 W
Max. Acoustic Output	85 dBSPL @ 1 m, 0 dBFS 1 kHz (non-clipped) sine wave signal
Speaker Hole Size	58 x 3 – 6 mm Ø holes
Microphone	Electret condenser, omnidirectional, sensitivity -56 dB 50 Hz - 7 kHz (input circuit frequency response ±3 dB mic)
Microphone Hole Size	1 x "koala nose", 6 x 10 mm
Audio Streaming Bandwidth	128 kb/s one way, 256 kb/s both ways
Control Buttons	1 x piezo switch, red, 19 mm
Auxiliary Functions	Relay contacts (2 x NO/NC), 30 V d.c./2 A Tamper detection and attempted device removal notification Automated testing of speaker and microphone
Power Input	IEEE 802.3af Power over Ethernet (PoE) (cannot be locally powered)
Power Consumption	4.5 W max. (1.6 W standby) PoE Class 2 (3.84-6.49) W
Operating Temperature	(0 - 55) °C
Operating Humidity	(10 - 95) % relative humidity (non-condensing)
Cabling	4 pair UTP CAT-5/6, multi-strand, 24 AWG, max. 100 m
Dimensions (WxHxD)	75 mm x 261 mm x 92 mm 95 mm min. mounted depth
Weight	0.65 kg
Material	316 stainless steel (2 mm)
Finishes	Linish
Environment	Indoor and outdoor
Vandal Resistant	Yes; strong front panel, speaker and microphone aperture vandal protected
Mounting Options	Flush mount (cut out and tap), rainhood (SRH-4)
Mounting Holes	6 x 5 mm Ø screw holes
Fixings	6 x M4 security torx screws (included with purchase of backbox)



CLEAN ROOM INTERCOM VSA-76K

3.5" LCD screen

PRODUCT CODE 51738

FEATURES

Antimicrobial and chemical resistant surface membrane for easy cleaning, improve hygiene and reduce the risk of spreading infection Membrane inhibits the growth of potentially harmful bacteria, mould and mildew Robust stainless steel front plate to withstand strict cleaning and maintenance conditions Standard PoE powered (IEEE 802.3af) Two configurable relay output contacts for control of external equipment Attractive slimline design

Call an unlimited number of master/monitor stations

Material	Autotex F200 antimicrobial membrane 316 stainless steel 2mm		
Antimicrobial membrane inhibits growth of:	Staphylococcus aureus (MRSA) Escherichia coli 0157 Pseudomonas aeruginosa Salmonella enteritidis Bacillus cereus Streptococcus faecalis	Klebsiella pneumoniae Aspergillus niger Penicillium purpurogenum Phoma violacea Saccharmyces cerevisiae Listeria monocytogenes	
Chemical Resistance	Alcohols Dilute acids Dilute alkalis Esters	Hydrocarbons Ketones Household cleaning agents	
Screen	3.5" TFT colour LCD, 4:3 aspect ratio Active area: 70mm X 53mm Resolution: 320 X 240, 24-bit RGB LED backlight (white)	Contrast ratio: 400 Brightness: 350 cd/m² Viewing angle: 120° H, 115° V	
Microphone	Electret condenser, omnidirectional, sensitivity -56 dB		
Speaker	1 x 4Ω 3W		
Configuration	Unlimited* number of clean room intercoms		
Dimensions (WxHxD)	140 mm x 335 mm x 45 mm		
Weight	1.9 kg		
Environment	Indoor use only		
Mounting Options	Flush mount backbox (FWE-17), Plasterboard (PWB-3)		
Power Input	IEEE.802.3af Power over Ethernet (PoE)		
Power Consumption	12 W max (2 W standby)		
Max. Acoustic Output	88 dBSPL @ 1 m, 0dBFS 1 kHz (non-clipped) sine wave signal		
Auxiliary Functions	Relay contacts (2 x NO/NC)		
Operating Temperature	(0 - 40)°C		
Operating Humidity	(20 - 90)% RH (non-condensing)		
Compliance Standards	EMC compliance to EN60601 standard EN 60601-1-2: 2007+AC:2010, CISPR IEC 60601-1-2: 2007, CISPR 22: 2008 IEC 61000-4-2: 2008, IEC 61000-4-3: IEC 61000-4-4: 2012,IEC 61000-4-6: 2	11 : 2009+A1:2010 8(Clause 5.2) 2006+A1:2007+A2:2010	

^{*}Dependent on server configuration and network bandwidth







IP ETHERNET EXTENDER MODULE JCE-225/260

PRODUCT CODE 51872 51873

FEATURES

Pair of full-duplex high speed Ethernet data signal over 2Wire cable Extends data signal 10/100 Base T up to 350m

Anti-Vibration terminal block feature for harsh installation sites IEEE 802.3 af/at compliant PoE

Easy configuration, no IP address or network setup required LED indicators for installation - power, link and data traffic status Compact size

Can be sold individually

Powers up to 4 devices (contact Jacques for options)

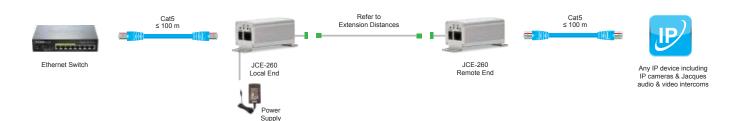
PACKAGE CONTENTS

Pair of IP Ethernet Extender Modules JCE-225/260
Power supply unit 25 W (51872), 60 W (51873)

SPECIFICATIONS

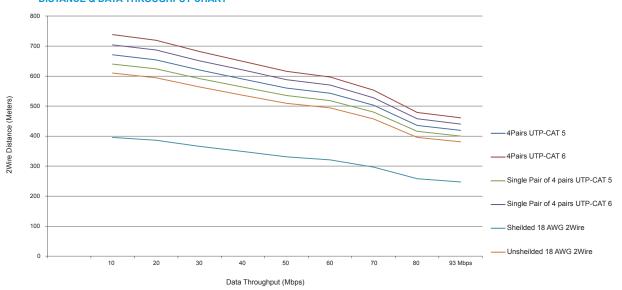
SPECIFICATIONS	
Housing	Extruded Aluminium
Power Requirements	48 VDC / 1.3A
Ethernet Interface	Connector Type: RJ45 Speed: 10/100 Base T, half/full duplex, auto-negotiation IEE 802.3 af/at compliant PoE
2Wire Terminal Block Interface	Connector Type: 18 AWG 2Wire, Cat 5, Cat 6 Impedance: 25 to 100 Ω Transmit Coverage: 1,000 feet (305m) @ 4 pair Cat 6 cable
Transmission Method	Access method : CSMA / CA and TDMA Modulation method : Windowed OFDM Frequency band : 1.8 MHz to 30 MHz
Power Input	48 V d.c., (0.52 - 1.2) A Centre Positive Barrel Plug, 5.5mm Outer, 2.1 mm Inner
Weight	120 g
Dimensions (W x H x D)	102 mm x 43 mm x 40 mm
LED Indicators	Power : Blue - Power ON TWP : Green - Link ON PoE : Green - Link ON
Operating Temperature	-10° C to +50° C
Compliance	CE, Complies with FCC part 15B limits, ✓ RoHs

TYPICAL APPLICATION DIAGRAM

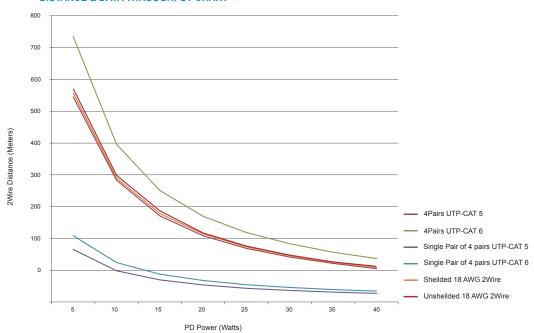


EXTENSION DISTANCES

DISTANCE & DATA THROUGHPUT CHART



DISTANCE & DATA THROUGHPUT CHART



JACQUES PRODUCTS DISTANCE SUMMARY

The following are recommended extenstion distances for Jacques typical endpoints.

220 m 4 pair Cat 6 (Audio Intercom, Video Intercom) 200 m 4 pair Cat 5 (Audio Intercom, Video Intercom) 175 m 1 pair Cat 5 (Audio Intercom), 130 m 1 pair Cat 5 (Video Intercom) 250 m Unshielded 18AWG 2Wire (Video Intercom) 350 m Unshielded 18AWG 2Wire (Audio Intercom)