



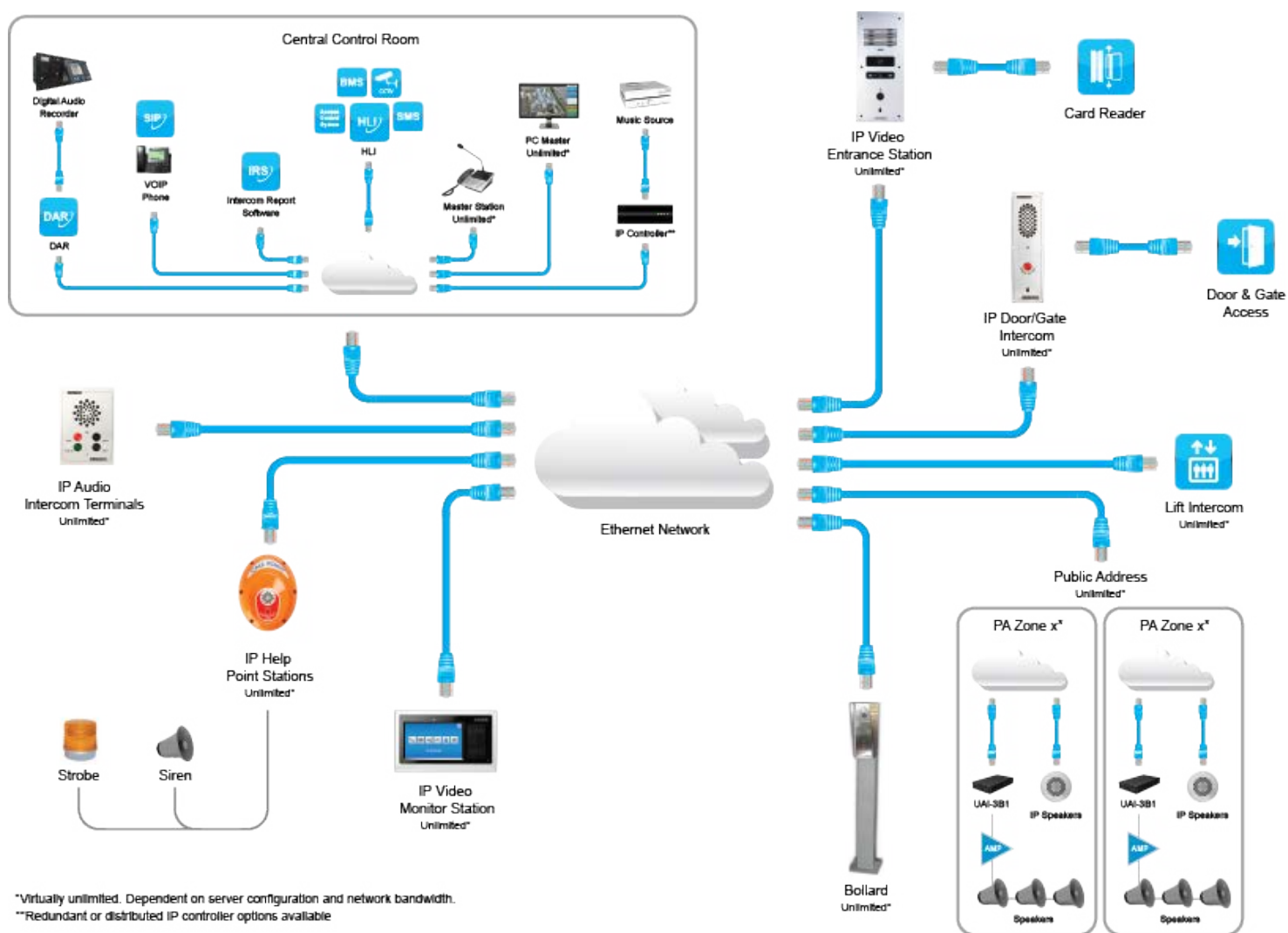
Jacques Technologies Pty Ltd

## **IP Commercial Communication System**

# IP COMMERCIAL COMMUNICATION SYSTEM

Jacques IP Commercial Communications solution provides protection from potential threats, emergencies and incidences in work environments. A Jacques commercial solution offers virtually unlimited intercom endpoints; including robust fire stair intercom, help point unit systems as well as a flexible public address system, all of which seamlessly integrate to many leading building management, access control and CCTV systems. Security personnel, within a commercial building, utilising a Jacques IP Communications System can protect assets and ensure the safety of all individuals within a complex.

## SYSTEM DIAGRAM





Jacques IP video intercom,  
fire stair intercom and  
public address systems  
make communication within  
commercial buildings  
effortless.

## SYSTEM SUMMARY

Jacques IP Communications System provides a reliable communication solution to the workplace. Our system can integrate to a building's existing CCTV or access control system via a High Level Interface (HLI) for simplified security management. Video entrance intercoms allow for simplified building access for visitors and allow calling to within the building where access can be granted. Carpark Help Point Units, fire stair and lift intercoms ensure help is available at the push of a button. Our IP PA system allows for a building to be divided into zones, so an announcement can be made to a specific floor or an evacuation alarm can be broadcast to the entire building.



## SYSTEM FEATURES



### SUPPORTED INTEGRATION

Jacques IP Communication Systems integrate via High Level Interface to various industry partners. Integration with building and security management helps to ensure a complete security solution.



### SIP GATEWAY

SIP gateway between the Jacques IP Communications System and SIP telephony systems such as Avaya & Cisco ensures total building intercommunication & connectivity.



### ENVIRONMENTAL SPECIFIC FEATURES

Intercom devices fit for purpose – video entrance stations for sophisticated building entrances, stainless steel intercom terminals in fire stairs and eye-catching help point units in car parks.



### WARNING & EVAC PA

The Jacques IP PA system provides reliable sound quality, alarm tones, evacuation signals and verbal address ensuring orderly evacuation and information notification to the entire commercial site.



### CCTV CAMERA STREAMS

Third party IP CCTV camera streams can be selected & viewed on demand and in real time via the video monitor station or PC master station ensuring you know who is calling at building entrances, and who you are potentially letting into the building.



### RELAY MODULES

Configurable relay modules exist on intercom terminals to activate external equipment – control doors, boom gates, lights or signal CCTV camera presets.



### CONCIERGE OR DURESS CALLING

One-touch concierge or duress calling from video monitor stations directly to a predefined master station for prompt response.

## JACQUES AT WORK

### SHOPPING CENTRES

The use of a Jacques IP intercom and public address system within a shopping centre environment provides centre management with the tools to manage one to one communication and mass communication within the one platform. Jacques IP PA system within shopping centres offers a live and pre-recorded message and broadcasting platform that is flexible, expandable, and easy to use while providing excellent audio quality.

### CAR PARKS

A Jacques car park IP Communication System easily integrates with most commercially available network equipment and infrastructure. It is fully supported by leading CCTV, access control, telephony and building/security management systems. The Jacques system can integrate communication with bollard and boom gate intercoms as well as car park Help Point Units which connect directly to a central security control offering help, assistance and advice.




### HELP POINT UNIT

HPU-5E2 | 51687, HPU-5E2i | 51688

- Highly visible, solid, vandal resistant call point
- Standard PoE powered (IEEE 802.3af)
- Simple 1 or 2 button operation, emergency or emergency & information calls
- Two configurable relays that can control lights, gate/door access etc.
- Tamper detection & attempted device removal notification
- Automated testing of speaker & microphone

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Jacques audio intercom system provides an emergency calling solution for a building's fire stairs.

## FIRESTAIRS

Fire stairs ensure the safety and security of all people within the building when rapid exit is essential. If a person becomes trapped in the fire stairs, during or after business hours, a single button intercom terminal located at each floor's fire door allows contact with the security office to request access to the floor.

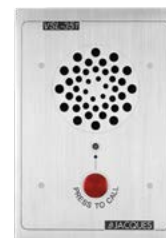
The communications system then allows the building's security staff to open any fire door through remote access, monitor the stairwell via integrated CCTV and communicate to the person via the intercom terminal or public address system.



### MASTER STATION

IPM-360G | 51534

- Complete intercom call handling functions for offices and security rooms
- Public address functionality
  - Make live and pre-recorded announcements to all or individual floors of an office building
- Selection and playback of recorded announcements in different zones of a mall
- IEEE 802.3af PoE supported
- Backlit display for reliable viewing in dark conditions
- Trigger intercom relays for building access
- Options for gooseneck, handset and headset



### INTERCOM TERMINAL

VSL-351+ | 51612

- IP audio intercom terminal for fire stairs
- Standard PoE powered (IEEE 802.3af)
- Two configurable relays
- Tamper detection & attempted device removal notification
- Automated testing of speaker & microphone
- Single call button
- Water and vandal resistant

Build your  
commercial intercom  
and public address  
system following  
these simple steps



#### COMMERCIAL SYSTEM

Begin with an Ethernet Network configured for QoS.

1

#### CONTROLLER & SOFTWARE

Choose a system controller & software packages capable of managing your system size and offer the functionality you require.

2

#### MASTER STATION

Choose your master station(s). They can make and receive intercom calls and make public address announcements.

IPM-360 | PCC-650MX | VMS-750

3

#### INTERCOM TERMINALS

Choose your intercom terminals. They call pre-defined master stations and can initiate relays within your system.

VES-75K | VSL-3xx | HPU-5E

4

#### PA FUNCTIONALITY

Choose your Public Address components to achieve the required functionality.

UAL-3B1 | Amplifiers | Speakers

5

#### ACCESSORIES

Choose your accessories. They provide additional functionality to your system.

ADAM Relay Module

+

#### OPTIONAL EXTRAS

Customisation of Graphical User Interfaces (GUI) and/or  
Integration with CCTV & Access Control Systems

# 1

## CONTROLLERS & SOFTWARE



### SYSTEM CONTROLLER MEDIUM

TCH-2MXH | 51660

- IP controller, up to 80 endpoints
- Available to administer most Jacques system software modules & interfaces
- Facilitates almost all core functions of the Jacques IP Communication System
- Supports high definition audio
- Fanless and low power consumption
- SATA hard drive



### SYSTEM CONTROLLER LARGE

JSC-5L | 51814, JSC-5L-AEC | 51815

- IP controller, large, includes JCCP server software for intercom devices to make and receive calls, more than 80 endpoints supported
- Supports high definition audio
- SATA hard drive
- Segregated air-flow design for optimal unit cooling
- Acoustic Echo Cancellation Software (JSC-5L-AEC only)

## SOFTWARE

Software modules\* manage key functionality of the system and can provide additional functionality. Choose software packages to achieve system functionality requirements.



### DAR

Echo cancellation for full duplex communication  
Interface call audio to third party recording devices (digital, SIP or analogue)  
Stream background music/entertainment through intercom devices & PA speakers



### SIP GATEWAY

Intermediate interface allowing for integration of Jacques system with compatible SIP systems & devices

Implements RFC 3261-Core Session Initiation Protocol to transfer, convert & filter communication

Support for bridge calling allowing a Jacques device to dial multiple SIP devices however only allowing one to answer and perform a call



### EVENT CONTROLLER

Provides simplified interfaces for the integration of external systems & products  
Feature highly configurable rules to match system events, simultaneous event triggers, alarms & offline events  
Standard handling of CCTV function



### JAS

Facilitate pre-recorded PA announcements, tones & warning alarms across a Jacques IP PA system  
Allows for the uploading of audio files for broadcast  
Built timetables of announcements, bells & tones for broadcast at allocated times to select or all PA zones  
Apply schedules to days, weeks or months according to a sites broadcast requirements

\* Selection of software modules displayed in this brochure. Visit [jacques.com.au](http://jacques.com.au) for a complete list of software

# 2

## MASTER STATIONS



### PC MASTER STATION

PCC-650WIN | 51791, PCC-650WTS | 51857

- Complete intercom call handling functions
- 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
- Diagnostics and reporting
  - Alarm notifications including device state
- Touchscreen compatible interface
- Map, grid and database views
- Upload multiple site maps to suit application/site
- Customisable layout/functions



### VIDEO MONITOR STATION

VMS-750 | 51336, VMS-750H | 51432

- Receive text messages from building manager/concierge
- Missed caller image snapshot available when call is unanswered
- View CCTV footage
- Duress calling to predetermined recipient
- Privacy enable/disable to mute calling
- Relay control to let caller through a door or gate
- Intercommunication between devices
- Power saving mode when not in use

# 3

## INTERCOM TERMINALS



### VIDEO ENTRANCE STATION

VES-75K | 51335

- Attractive slimline design
- Wide angle camera
- Two configurable relays that can control lights, gate/door access etc.
- Insect resistant microphone/speaker
- 3.5" LCD screen
- Backlit keypad
- Call an unlimited number of master/monitor stations
- Relay enabled by entering a PIN code



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### PA FUNCTIONALITY



### UNIVERSAL AUDIO INTERFACE

UAI-3B1 | 51196, UAI-3E1 | 51195

- Public address interface for use in office buildings, shopping centres etc.
- Interface between Jacques' IP system & analogue devices such as a building's amplifier and PA system
- Interface between Jacques' 650 and 550 systems (hybrid)



### ACCESSORIES



### ADAM RELAY MODULE

6 Channel | CE382

- 6-ch DI, 6-ch RL, Ethernet-based smart I/O for lift control in office buildings and shopping malls
- Group configuration capability for multiple module setup
- Flexible user-defined Modbus address
- Intelligent control ability by Peer-to-Peer and CGL function
- Active I/O message by data or event trigger function

Jacques continues to be involved in many interesting and prestigious large scale projects in Australia, New Zealand, the Middle East, South Africa and South East Asia. We are continuing to expand our international reach, providing integrated IP communication systems across the globe.





## ADDITIONAL RESOURCES



**JACQUES**  
Future Proof Communications

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