ATTENTION please

Vintron
.....the name you trust





IP Public Address System

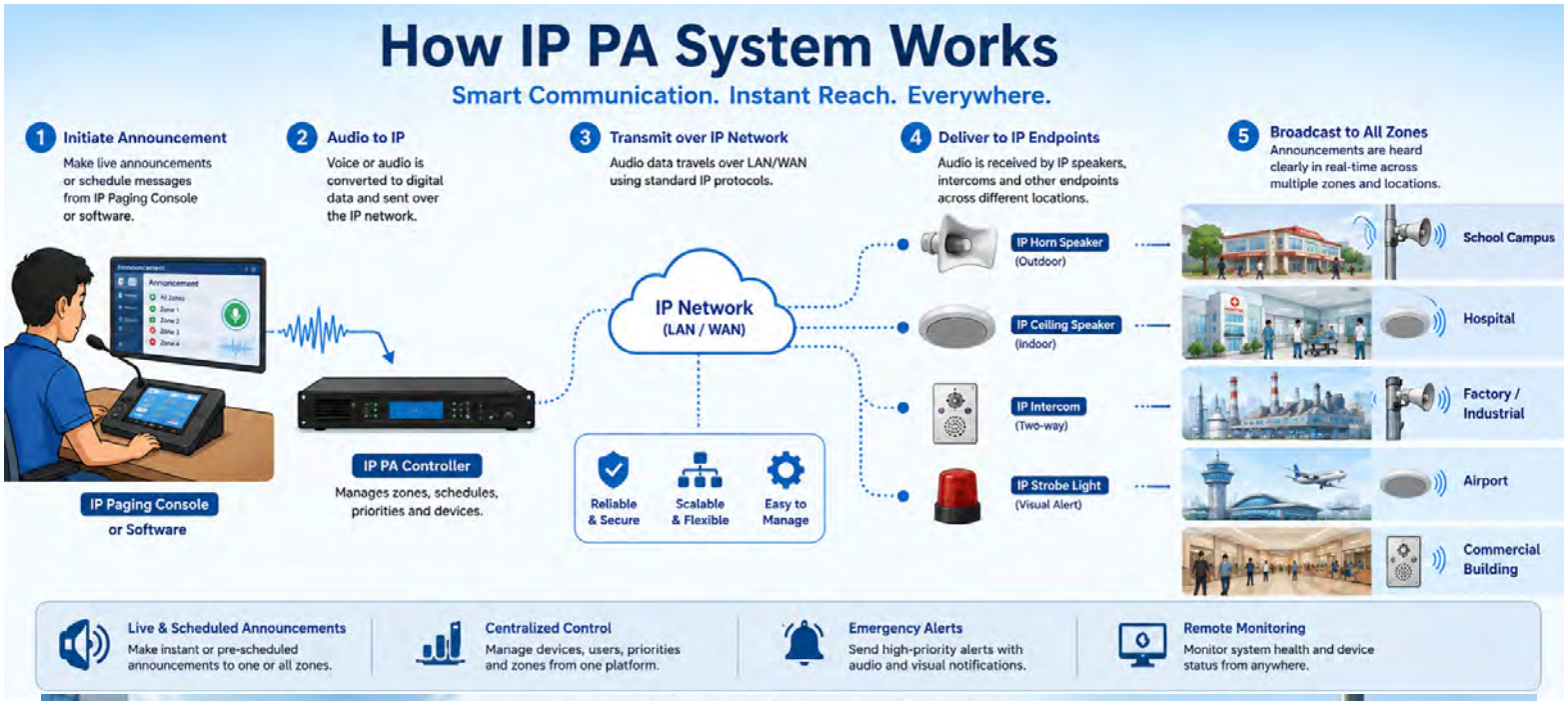
Brochure

IP PUBLIC ADDRESS SYSTEM

In the wake of recent tragedies public safety has become a major concern for both governments and businesses. People visit, gather or transit through public spaces worldwide, every day. Vintron IP PA system offers exceptional reliability, scalability and configuration options ensuring it can adapt to suit any installation.

Operating via an IP network allows for complete flexibility of system use, including dynamic grouping of PA zones, with no limit on the number of groups or the number of zones within a group. This allows operators the ability to design site-specific PA systems ensuring total audio coverage across all buildings, areas and/or precincts.

IP PUBLIC ADDRESS SYSTEM DIAGRAM







The Vintron IP Public Address system has been designed for use across various market applications that require communication with the masses.

SYSTEM SUMMARY

Organisations responsible for public safety, need trouble-free mass communication options providing message distribution to large and busy crowds in the case of an emergency – fire, accident, riot. Vintron IP PA system with its flexibility to expand to an unlimited number of PA zones ensures the management of public safety announcements is effortless. The system has the added ability to monitor and interrogate the system for faults via the network. If a PA zone controller on the network fails, the system will report the failure allowing for timely maintenance and repair. Importantly, the integrity of the entire PA system is not affected allowing for broadcasts to continue to all other zones on the network, ensuring ultimate public safety.

SYSTEM FEATURES

ANNOUNCEMENTS & TONES

Live announcements can be made across the system straight from the PA console or PC Master Station while scheduled announcements, tones and bells can be created, organised and scheduled across days, weeks and months quickly and easily.

SYSTEM MONITORING

Ability to monitor and interrogate the system for faults via the network. If a PA controller on the network fails, the system will report the failure allowing for timely maintenance and repair. Importantly, the integrity of the entire PA system is not affected allowing for broadcasts to continue to all other zones on the network.

DIGITAL SIGNAL PROCESSOR

The use of a digital signal processor allows total user control of the PA system. Users have the flexibility to broadcast background music to any number of selected PA zones, while making an audio announcement to other individual or selected zones simultaneously. Multiple simultaneous streams of background music can be distributed throughout the system at each zone.

FLEXIBLE SYSTEM ARCHITECTURE

Create small, large or multi-site PA systems. Our system allows for virtually an unlimited number of public address endpoints to be connected, integrated and managed. If a site expands additional PA zones can easily be added to new or existing network infrastructure, ensuring system longevity.

UNLIMITED MULTI ZONE

Features dynamic grouping of PA zones, with no limit on the number of groups or the number of zones within a group ensuring complete system scalability.

AMBIENT NOISE SENSORS

Optional ambient noise sensing microphones provide Automatic Level Control (ALC) across the system.

TRUE IP DIGITAL TECHNOLOGY

Vintron systems are based on Ethernet network standards and TCP/IP protocols, which use commercially available network equipment and infrastructure.

3RD PARTY INTEGRATION

Seamless 3rd party integration to leading building & security management, CCTV, access control and telephony systems. Integration to SIP enabled digital telephone systems allows users to make live announcements across the PA system from their telephone.



Create time-scheduled announcements to broadcast across your site. Simple management via calendar view.

SAFE CITIES – INTEGRATING PA, INTERCOM & CCTV

City Councils operate programs aimed at ensuring public safety in a city's public spaces and limiting crime. Councils often operate a central monitoring facility 7 days a week, 24 hours a day observing and interacting with hundreds of CCTV cameras across the city. Working seamlessly alongside these CCTV systems is the Vintron IP Communication System featuring public address, intercom and help point units allowing for security officers at central control to verbally communicate with an individual or the masses while viewing live camera footage.

Malls are some of a city's busiest public venues, attracting diverse crowds day and night, 7 days a week. With millions of people visiting malls every year, steps can been taken to further enhance the safety of individuals and the security of property. A Vintron Public Address system aims to provide immediate information dissemination to the public in order to ensure a quick response time to any situation from security personnel at central control.

Key features of this system include the ability to make live public address announcements and to broadcast pre-recorded and time scheduled announcements to one, selected or all public address zones across the sites. The public address system which can operate across multiple locations utilising the same network can be managed centrally, enabling security to engage with persons in all or selected locations.

Integration of the public address system with a CCTV system allows verbal warnings to be broadcast to potential troublemakers that the police have or will be called. The system ensures persons are aware 'someone is watching' and may deter troublemakers from further action. A series of pre-recorded messages initiated by an operator using the PC Master Station User Interface, in conjunction with associated camera footage can broadcast public service and warning announcements easily.





SAFE TRANSIT

During peak hour, a cities transport network (bus, rail or ferry) feature high volumes of people transiting in or out of the city. In order for transport networks to run smoothly, communication is critical. Vintron IP Public Address system ensures communication to those within the transport network is available to all and received with clarity.

Transport PA systems can feature:

- Vintron Help Point Units located on platforms and in transit car parks. Help points can be connected to several operation centres and can be diverted when any of these centres are closed.
- Vintron Public Address System allows for announcements or emergency messages to be broadcast across the system. Public address messages can be live or pre-recorded and time scheduled with the flexibility to broadcast to one, selected or all public address zones across the network.
- Vintron lift intercom devices within station lifts allow for calling to the operation centre in case of an in-lift emergency.
- 24 hour monitored CCTV security cameras located throughout a transport network allow for security personnel at the operations centre to switch to an intercom-associated-camera ensuring complete audio and video monitoring.

A transport intercom, PA and Help Point Unit system can be managed at central control by a customised Graphical User Interface (GUI). The GUI features multiple station maps and sub maps, and pre-recorded message buttons allowing operators to make, answer and terminate intercom and PA calls.

ANNOUNCEMENT SCHEDULING

Vintron Announcement Scheduler (VAS) software allows sites to:

- Facilitate pre-recorded PA announcements, bells, tones & warning alarms across a Vintron IP PA system
- Allows for the uploading of audio files for broadcast
- Build 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
- Management of the scheduler via a user-friendly calendar view





Build your IP public address system following these simple steps

IP PA SYSTEM

Begin with an Ethernet Network configured for QoS.

1

CONTROLLER PACKAGE

Choose a controller package which can manage your system size and offer the functionality you require.

2

MASTER STATION

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

3

PA FUNCTIONALITY

Choose your Public Adddress components to acheive the required functionality.

UAI-3B1 | Amplifiers | Speakers

4

INTERCOM TERMINALS

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

+

OPTIONAL EXTRAS

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

1

CONTROLLERS & SOFTWARE



SYSTEM CONTROLLER MEDIUM

- 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

- 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

2

MASTER STATIONS





IP MASTER INTERCOM STATION

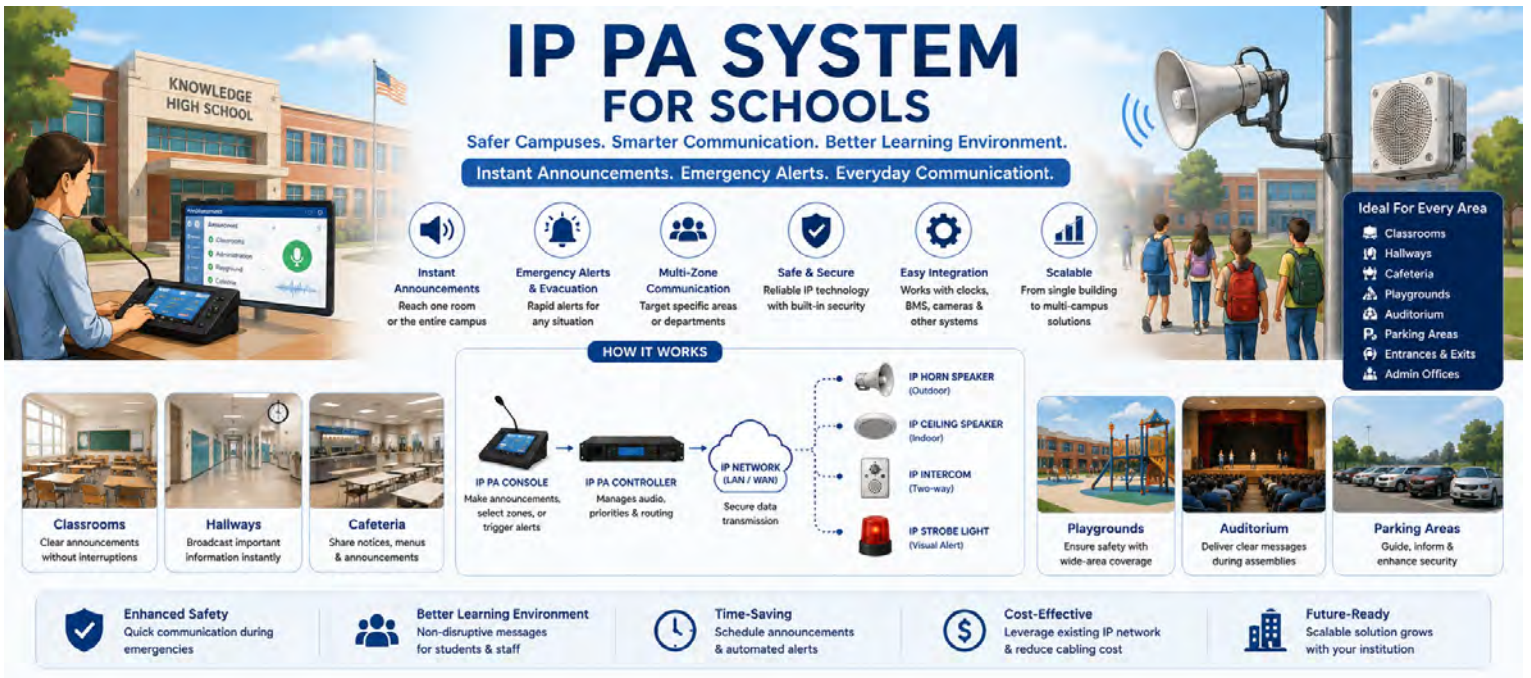
- Complete intercom call handling functions
- Public address functionality
  - Make live and pre-recorded announcements
  - Selection and playback of recorded announcements
- IEEE 802.3af PoE support
- Backlit display for reliable viewing in dark conditions
- Trigger intercom relays
- Options for gooseneck, handset and headset

- 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



Building safe spaces with Vintron IP Public Address Systems

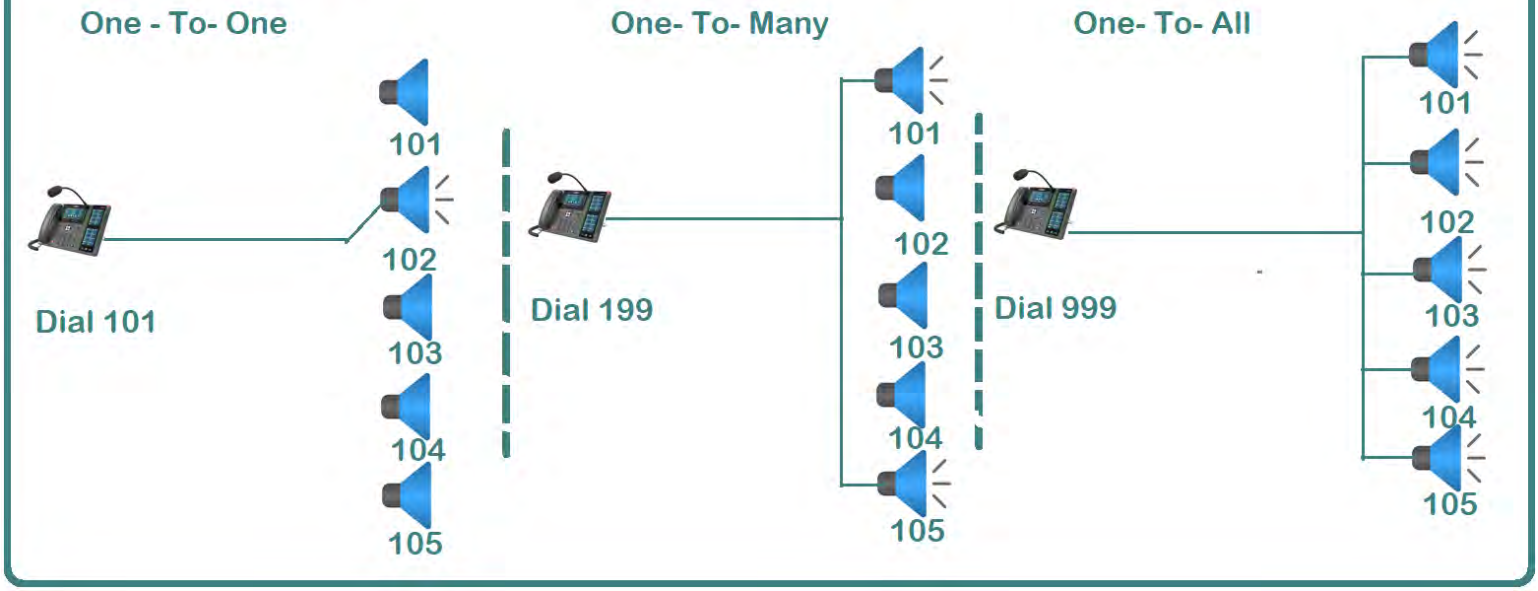

ATEX / IECEx
COMPLIANT
IP PA SYSTEM
FOR HAZARDOUS AREAS
Safe Communication. Instant Alerts. Maximum Protection.
Reliable Voice Communication in the Most Demanding Environments
Instant Voice Announcements
Emergency Alerts & Evacuation
Multi-Zone Communication
High Reliability & Redundancy
Easy Integration with IoT, DCS, BMS
HAZARDOUS AREA ZONE 1 / ZONE 2
IDEAL FOR HAZARDOUS ENVIRONMENTS
Flammable Gas / Vapor Areas
Dust / Powder Handling Areas
Oil & Gas / Petrochemical Plants
Chemical & Process Industries
Power & Energy Facilities
Offshore Platforms & Terminals
HOW IT WORKS
IP PA CONSOLE
IP PA CONTROLLER
IP NETWORK (LAN / WAN)
IP HORN SPEAKER (Outdoor)
IP CEILING SPEAKER (Indoor)
IP INTERCOM (Two-way)
IP STROBE LIGHT (Visual Alert)
APPLICATIONS
Oil & Gas
Chemical Plants
Refineries
Offshore Platforms
LNG / Terminals
Power Plants
EXPLOSION-PROOF & SAFE
ATEX / IECEx certified products for Zone 1 & Zone 2 areas
CLEAR & RELIABLE COMMUNICATION
High audio clarity even in noisy industrial environments
QUICK RESPONSE IN EMERGENCIES
Deliver critical messages instantly to the right people
SCALABLE & FLEXIBLE
Easily expand from a single site to multiple locations
DURABLE & BUILT TO LAST
Robust, weatherproof & corrosion-resistant devices
COMPLIANCE & SAFETY
Meets global standards for industrial safety & communication


KNOWLEDGE HIGH SCHOOL
IP PA SYSTEM
FOR SCHOOLS
Safer Campuses. Smarter Communication. Better Learning Environment.
Instant Announcements. Emergency Alerts. Everyday Communication.
Instant Announcements
Reach one room or the entire campus
Emergency Alerts & Evacuation
Rapid alerts for any situation
Multi-Zone Communication
Target specific areas or departments
Safe & Secure
Reliable IP technology with built-in security
Easy Integration
Works with clocks, BMS, cameras & other systems
Scalable
From single building to multi-campus solutions
Ideal For Every Area
Classrooms
Hallways
Cafeteria
Playgrounds
Auditorium
Parking Areas
Entrances & Exits
Admin Offices
HOW IT WORKS
IP PA CONSOLE
Make announcements, select zones, or trigger alerts
IP PA CONTROLLER
Manages audio, priorities & routing
IP NETWORK (LAN / WAN)
Secure data transmission
IP HORN SPEAKER (Outdoor)
IP CEILING SPEAKER (Indoor)
IP INTERCOM (Two-way)
IP STROBE LIGHT (Visual Alert)
Classrooms
Clear announcements without interruptions
Hallways
Broadcast important information instantly
Cafeteria
Share notices, menus & announcements
Playgrounds
Ensure safety with wide-area coverage
Auditorium
Deliver clear messages during assemblies
Parking Areas
Guide, inform & enhance security
Enhanced Safety
Quick communication during emergencies
Better Learning Environment
Non-disruptive messages for students & staff
Time-Saving
Schedule announcements & automated alerts
Cost-Effective
Leverage existing IP network & reduce cabling cost
Future-Ready
Scalable solution grows with your institution


IP PA SYSTEM
FOR LARGE COMMERCIAL & GOVT. BUILDING CAMPUSES
One Intelligent Communication System. Limitless Applications.
Instant Announcements
Emergency Alerts
Everywhere on Campus
OFFICE BUILDING
ADMIN BUILDING
PARKING AREA
AUDITORIUM
OUTDOOR AREA
IP NETWORK BASED
Operate over existing LAN/WAN
CRYSTAL CLEAR AUDIO
High quality voice & announcements
MULTI-ZONE
Target specific zones or entire campus
RELIABLE & SECURE
Priority messaging with built-in redundancy
EASY INTEGRATION
Works with BMS, CCTV, Access Control & more
SCALABLE SOLUTION
Flexible to grow with your campus
IDEAL FOR
Office Complexes
Multi-tenant announcements & safety alerts
Government Buildings
Public information & emergency communication
University & Campuses
Campus-wide communication & event notifications
Hospitals
Critical alerts & operational communication
Convention Centers
Event messaging & visitor information
Mixed-Use Developments
Seamless communication across all facilities
IP PA CONTROLLER
Manages zones, priorities, schedules & system health
IP NETWORK (LAN / WAN)
IP HORN SPEAKER (Outdoor)
IP CEILING SPEAKER (Indoor)
IP INTERCOM (Two-way)
IP STROBE LIGHT (Visual Alert)
Outdoor Spaces
Parks, plazas, open areas
Indoor Areas
Lobbies, corridors, offices
Help Points
Security, information desks, emergency stations
Visual Alerts
For emergency evacuation and critical notifications
COVER EVERY ZONE
ADMIN BUILDING
OFFICE TOWERS
AUDITORIUMS
MEETING ROOMS
PARKING AREAS
OUTDOOR SPACES
SERVICE AREAS
ENTRANCES & EXITS
ENHANCED SAFETY
Deliver instant alerts during emergencies
IMPROVED OPERATION
Communicate efficiently across departments
COST-EFFECTIVE
Leverage existing IP infrastructure
CENTRALIZED CONTROL
Manage entire campus from one platform
REMOTE ACCESS
Monitor & manage anytime, anywhere
COMPLIANT & FUTURE-READY
Meets government & industry communication standards



Smart Paging System



Vintron
.....the name you trust