



We make everyday life safer

From routine to crisis

5 Scenarios redefining school
safety with IP Intercoms.

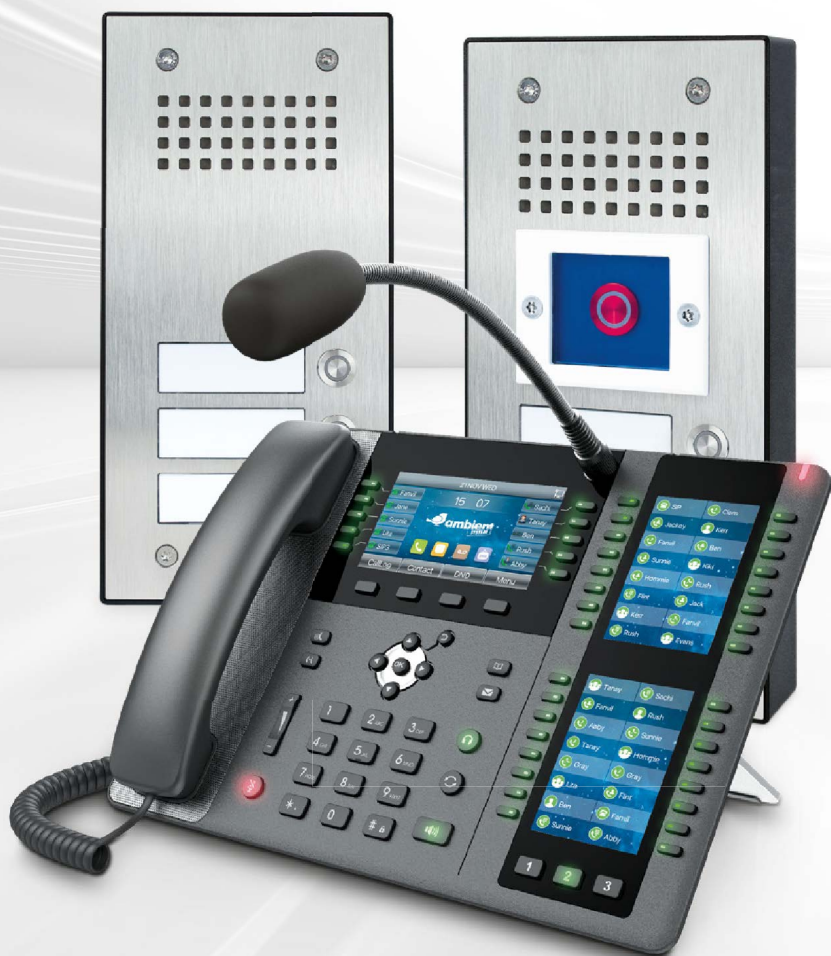




Introduction

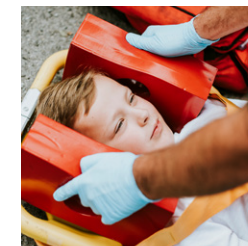
Schools are dynamic environments with hundreds of children, teachers, staff and parents. Managing this vibrant crowd can be challenging, which is why well-designed, integrated systems in school buildings are essential. Two critical aspects stand out: safety and communication. When these two elements are not functioning seamlessly, the potential for chaos or disaster becomes all too real.

Why do schools need an IP intercom system?



Quick emergency communication

SIP intercoms enable fast two-way communication during emergencies, helping staff manage situations effectively and keep everyone informed.



Works with other safety systems

They integrate with alarms, CCTV and access control for a complete school security setup.



Clear and targeted messaging

Features like priority calls and zones ensure the right people get the message at the right time.



Durable for any environment

Built to last, these systems work indoors and outdoors, even in tough conditions.



Meets high safety standards

Certified to meet international safety rules, ensuring reliability when it matters most.





Scenario 1: Medical emergency

A student suddenly experiences a seizure in the middle of class. The IP intercom system ensures rapid communication between staff, immediate coordination of the response and effective management of the environment to support the affected student while keeping others safe and calm.

PRODUCT FEATURES

Rapid response: The ICO Emergency's dedicated emergency button with a breakable glass cover enables swift communication with the security room or emergency services, minimizing response time for a medical emergency like a seizure.

Clear communication: HD audio quality with Acoustic Echo Cancellation (AEC) and Noise Reduction (NR) ensures clear communication between staff members during the emergency response, even in a noisy environment like a classroom.

Integration: The ICO Emergency can integrate with the school's existing bell system or other signalling devices through its programmable relays and I/O terminals, enabling a silent bell system with visual alerts instead of disruptive noise.



Scenario 2: Silent bell system

The traditional bell system is replaced with a silent bell system using IP intercoms. This reduces noise and stress, promotes a focused learning environment and provides flexibility for tailored and effective communication.

PRODUCT FEATURES

Integration: The ICO Emergency can integrate with the school's existing bell system or other signalling devices through its programmable relays and I/O terminals, enabling a silent bell system with visual alerts instead of disruptive noise.

Targeted messaging: The intercom's zones feature allows for customized alerts and announcements to be sent to specific areas of the school, such as classrooms or hallways, minimizing disruption to the learning environment.

Flexibility: The intercom's programmable buttons and relays can be configured to trigger different actions based on the time of day or specific events, providing flexibility for tailored communication throughout the school day.



Scenario 3: Chemical explosion

A fire alarm is triggered due to a chemical explosion in the science lab. The IP intercom system ensures fast communication, targeted alerts and efficient coordination during a high-stress emergency, minimizing risks and helping keep everyone safe.

PRODUCT FEATURES

Emergency Alerts: The ICO Emergency can be integrated with the school's fire alarm system, automatically triggering alerts and instructions through the intercom in case of a fire or chemical explosion.

Targeted evacuation: The intercom's zone feature allows for targeted evacuation instructions to be sent to specific areas of the school, ensuring that students and staff follow the safest evacuation routes.

Two-way communication: The intercom enables two-way communication between staff members during the emergency, allowing for real-time coordination and updates on the situation.

ICO Emergency

First line of defense in school emergencies.

The ICO Emergency is designed to provide high-quality communication with the highest priority in emergency situations. A special button, located behind breakable glass, minimizes accidental calls and allows for establishing communication between the person reporting the emergency and the security room within the facility or directly with emergency services, thereby reducing response time to a minimum.

CHARACTERISTICS

Dedicated emergency button: It has a special button located behind breakable glass to minimize accidental calls and ensure quick access in genuine emergencies.

High-quality audio: The ICO Emergency offers HD audio quality with noise reduction, automatic volume control and automatic equalization control, ensuring clear communication in critical situations.

Programmable buttons: In addition to the emergency button, it features up to 3 programmable standard buttons for regular communication within the facility.

Vandal resistance and environmental protection: The ICO Emergency has a high vandal resistance rating of IK08 and a high environmental resistance rating of IP54, making it suitable for various locations within a school.





Scenario 4: Unwanted guest

An unauthorized individual attempts to enter the school. The IP intercom system ensures safe, controlled communication with the individual, rapid notification of key personnel and the ability to coordinate a security response without putting students or staff at risk.

PRODUCT FEATURES

Access control: The ICO Frontier can be integrated with the school's access control system through its programmable relays and I/O terminals, allowing staff to remotely unlock doors or activate alarms in response to an unauthorized individual attempting to enter the school.

Two-way communication: The intercom enables clear two-way communication with the individual at the entrance, allowing staff to assess the situation and provide instructions while maintaining a safe distance.

Remote monitoring: The ICO Frontier can be equipped with an optional camera, providing visual identification of the individual at the entrance and enhancing situational awareness for security personnel.

ICO Frontier

Versatile intercom solution for everyday school safety.

ICO Frontier is an intercom designed to ensure high-quality communication. The intercom can establish a conversation between the reporting person and the facility security room. It has from 1 to 3 standard buttons, used for various communication needs within the school.

CHARACTERISTICS

High-quality audio with features like noise reduction and automatic volume control.

SIP 2.0 support for easy integration with VoIP systems.

Up to 3 programmable buttons to customize functionality.

6 programmable I/O ports for connecting to various devices.

Two relay outputs for controlling external devices.

Audio output for hearing loop driver to assist those with hearing aids.

High vandal resistance (IK08) and **high environmental resistance (IP54)** make it suitable for various locations.





ABT-ICDG-1

Scenario 5: Principal's announcement

The principal needs to make an important announcement to the entire school. The IP intercom system allows the principal to efficiently communicate important updates or messages to the school community, ensuring clarity, consistency and minimal disruption to the learning environment.

PRODUCT FEATURES

High-quality audio: The ABT - ICDG paging station's HD audio on the speakerphone and handset ensures clear and intelligible announcements across the school, even in noisy environments.

Efficient communication: The ABT - ICDG's 4.3" main color display and 2 x 3.5" side color displays for DSS keys provide a user-friendly interface for quick and efficient message delivery to the entire school or selected zones.

Programmable buttons: The ICDG's programmable buttons can be configured to quickly access frequently used functions, such as making calls to specific classrooms or activating pre-recorded announcements, streamlining communication processes.

ABT-ICDG

Advanced communication for school management.

The ABT-ICDG-1 is a feature-rich paging phone station designed to streamline communication and improved efficiency in school environments. It serves as a central communication hub, enabling seamless voice messaging, broadcasting and quick response in critical situations.

CHARACTERISTICS

High-definition audio: The ABT-ICDG-1 provides HD audio on both the speakerphone and handset, ensuring clear communication for both voice messaging and hands-free connections.

Versatile functionality: Programmable buttons allow for various actions with a single click, including voice calls, broadcasting, door opening and more.

Enhanced visuals: The station features a 4.3" main color display and two 3.5" side color displays for DSS keys, providing clear visual information and easy access to key functions.

Extensive connectivity: With 20 SIP lines, 3-way conference capability, built-in Bluetooth and dual Gigabit ports with integrated PoE, the ABT-ICDG-1 offers extensive connectivity options.

Broad compatibility: The station is compatible with major platforms such as Asterisk, Broadsoft, 3CX, Metaswitch, Elastix and Avaya.



Conclusion

IP intercom systems are essential for ensuring the safety and security of students and staff in schools. They provide quick and reliable communication during emergencies, integrate with other security systems, and allow for clear and targeted messaging. By investing in an IP intercom system, schools can create a safer and more secure learning environment for everyone.



Contact Ambient System



We make everyday life safer

Ready to transform your school's safety and communication?

Contact Ambient System today and discover how our IP intercom solutions can protect your students



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