



## CROSS-CAMPUS IP COMMUNICATION SYSTEM FOR CARIBBEAN SCHOOL

Caribbean School, Ponce

### CHALLENGES

- Unreliable and costly legacy phone system
- Needed more functionality for day-to-day operations and emergency situations
- No room for expansion
- Ability to disseminate key information during emergencies

### SOLUTION

- VoIP deployment using the school's existing network and cabling system
- Integration of emergency phone stations and network horn speaker

### PROFILE

Caribbean School is a multi-cultural PK-12 private school in the city of Ponce, Puerto Rico. Established in 1953, the school currently enrolls over 500 students and its campus consists of an administration building, an elementary school, secondary school and two sport pavilions.

### TIME TO MODERNIZE

The Administration and the Board of Directors of Caribbean School contacted EAS in need of modernizing their communication network. Their analog legacy system was unreliable and didn't offer the functionality and flexibility they needed for day-to-day operations and extraordinary situations. They worried that in the unfortunate case of an emergency, they wouldn't be able to notify students and staff on time.

With a budget to consider, and limited IT resources, they needed to transition to a new system that would ensure efficient cross-campus communication with ease of use.



*In emergency situations, assigned admin phones can provide emergency alerts to all classrooms, emergency phone stations and network horn simultaneously.*

## SWITCHING TO VoIP

The solution for Caribbean School was a VoIP (Voice over Internet Protocol) deployment using SIP (Session Initiation Protocol). This allowed us to use the school's existing network and cabling system while adding functionality. VoIP is network based, which means upfront and ongoing costs are significantly lower than with a traditional system. It is also a future-proof and scalable solution.

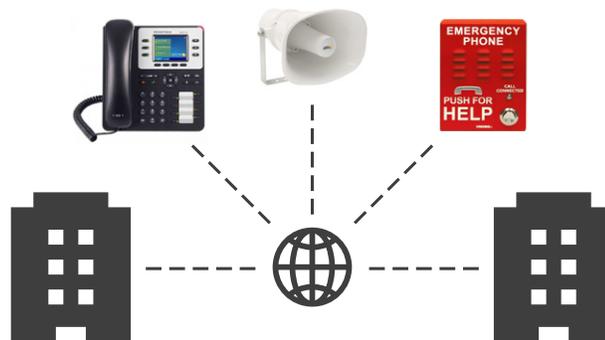
The integration was created by combining several technologies and product lines from our partners:

- 51 Grandstream Classroom Phones
- Grandstream Master Station
- Viking VoIP Emergency Phones (strategically located throughout campus)
- AXIS C3003-E Network Horn Speaker

## HOW IT ALL WORKS TOGETHER

Our solution allowed for seamless integration with existing office phones. Now, there's direct communication between the main office, classrooms, security, sport pavilions and the rest of the campus. Classrooms can also contact admin offices and other classrooms directly, but have restricted access to off campus calls.

In emergency situations, assigned admin phones can provide emergency alerts to all classrooms, emergency phone stations and network horn simultaneously. Emergency phone stations throughout campus also dial programmable emergency numbers. Thus, reducing response times and ultimately saving lives.



## RESULTS

- VoIP added functionality and mobility
- A reliable, future-proof and scalable system
- Ease of use
- Reduced emergency response time
- Enabled cross-campus communication

## A MODERN + SCALABLE SOLUTION

Caribbean is now one of the first schools in the island with this type of integration. The new system is fully scalable, future-proof and makes on-going use and maintenance easy (and affordable). By trusting us to replace their legacy system with a modern VoIP integration, Caribbean School is well equipped for maximum, cross-campus connectivity for when they need it most.