telecor™

K12 Technology Overview

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Public Address & Intercom Communication

Many experts in school safety that suggest Public Address is the first line of defense in a school crisis i.e., the school must be able to communicate to every area on-site and off-site to first responders seamlessly and quickly.

eSeries is an Ethernet-based next generation Public Address & Mass Notification System. It passes power and data over a facility's Ethernet network ensuring simplified network planning and easy installation. No head-end, central server or control equipment is required eliminating a central point of failure. Intercom, paging, emergency messaging and clock/time management is all built-in with high-definition audio. Speakers and Message Displays/Strobes provide coverage throughout the school, ensuring all students and staff can hear and see both routine and emergency announcements at all times (even during passing periods).
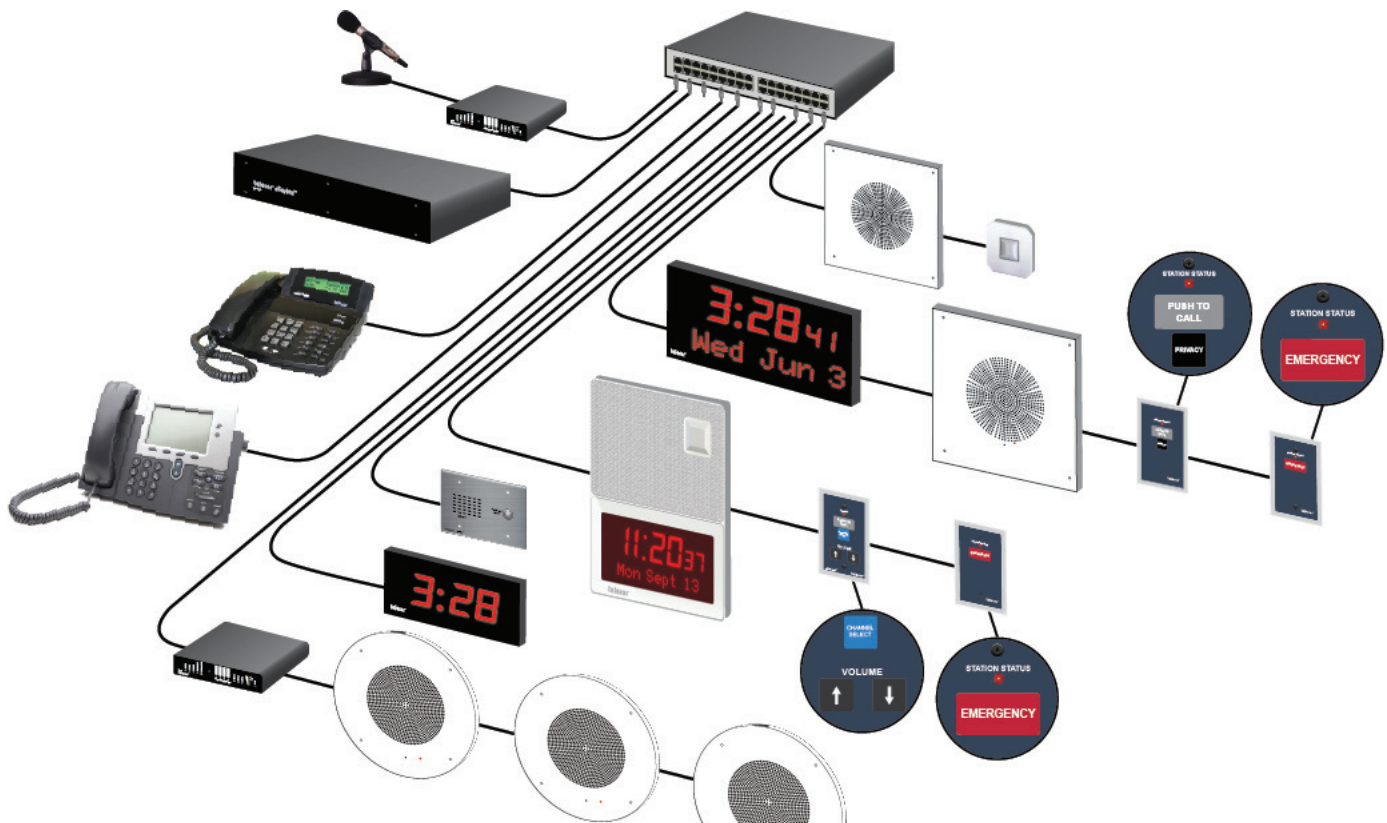
For facilities with existing analog technology, a hybrid approach is available allowing existing hardware and cabling to be re-used with the upgraded ethernet-based head end. This provides advanced mass notification coverage, increased speaker/display coverage, etc. and is an economical approach to the transition. Over time, as parts fail, the hard-wired/head-end designed components can be replaced with Ethernet based devices.

e300 Console

eMH

eTBU

SIP phones

eSIP

Classroom

Corridor Speaker Zone

Analog Clocks

Typical twisted pair cabling
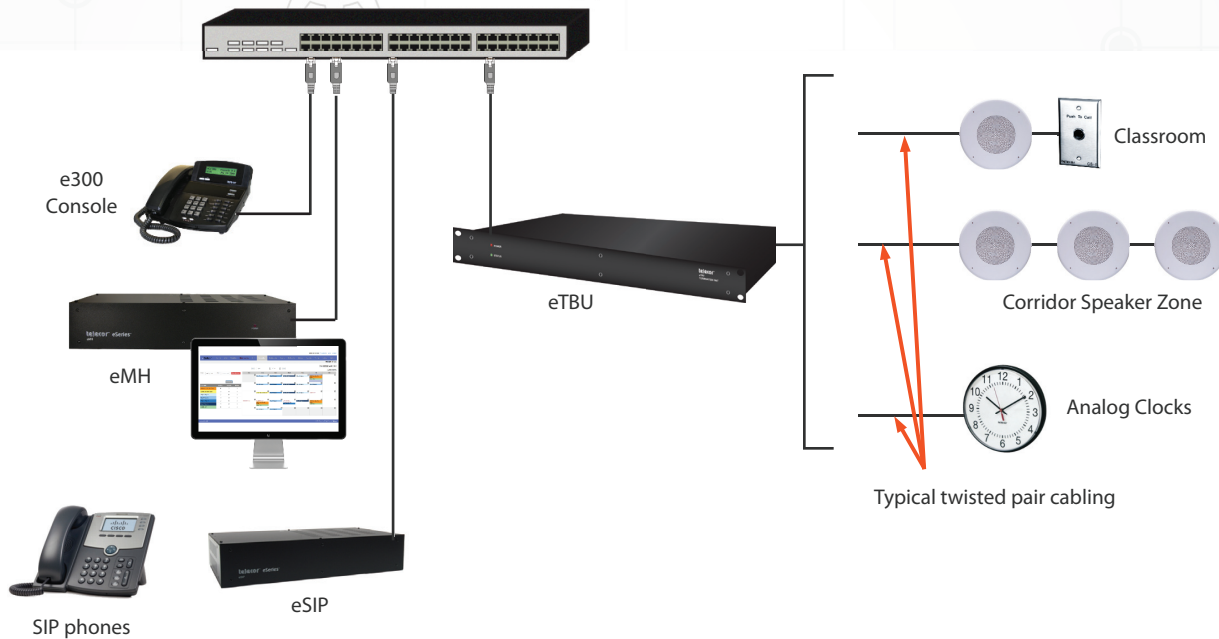
Event Logging

The ethernet-based public address communication solution may include a event log recording device that connects directly to the Ethernet network to log and record all activity. It connects to a PC via USB and will watch for and record all public address system events 24/7 and provide historical lookup.

Public Address & Intercom Integrations

Both ethernet-based and hybrid solutions provide integration to existing phone systems (the PA can be accessed by the district's current VOIP phones via eSIP), IP security cameras (for live video feeds so you can identify visitors at building access points) and locking systems/access control (for lockdown). Please see Visual Console for more detail on integrating video camera feeds and lockdown to the Public Address/Intercom System.

This addresses the PASS layered approach to security) - https://passk12.org/guidelines-resources/

The District Wide Paging Mass Notification overlay (DW Connect) allows for the centralized, district office to notify one or all schools of an emergency. Each school has local authority to engage as well. The Visual Console Graphical User Interface provides for seamless point and click activation by school(s) or district-wide if the district knows there is an immediate threat to any or all schools.

As a targeted wide-area Distributed Recipient Mass Notification System (DRMNS) DWConnect™ serves as an additional layer of secure communications to the public address and intercom system solution. DWConnect automatically distributes notifications when an emergency or noteworthy event occurs at a facility and notifications can be sent by text or email to a pre-defined group of persons both on-site and off-site/first responders responsible for managing critical situations.
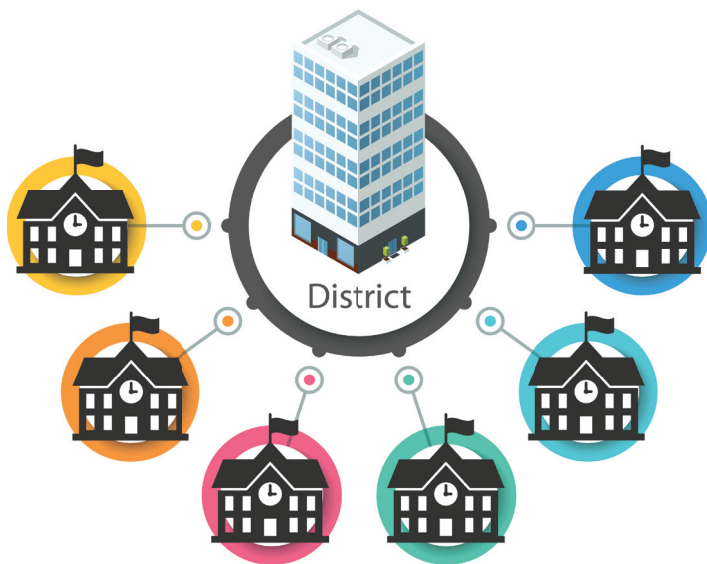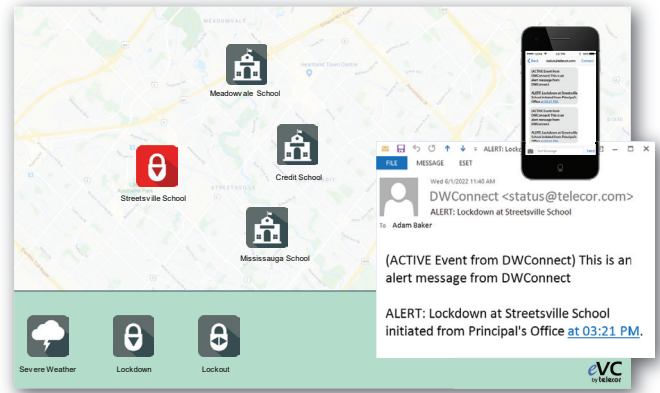
Telecor's Paging Server enables live paging announcements to be initiated from the district to one school, a group of schools or all schools simultaneously across a WAN. For a school, the district-wide capability means a central office can quickly communicate a custom, live announcement to all schools in an emergency.

The network bandwidth remains low regardless of the number of recipients to ensure minimal impact on the network. Featuring an easy web-based configuration, facilities can easily configure on- or off-site.

Visual Console

Visual Console™ integrates the functionality of a console into the dynamic framework of a PC. By utilizing an easy-to-use graphical interface, routine call processing, paging, audio program distribution, bell scheduling, as well as emergency operations are all simplified through this Windows®-based application. Facility floor plans can be displayed on a PC screen, providing a visual overview of the facility at a glance. Operations including lockdown may be quickly performed from the desktop through the use of navigation and action tool bars and easy to use icons. Integrated video camera feeds can also display on the interface providing visual detail of a particular area.

- Provides a graphical user interface for the eSeries System
- Easy-to-use, activated operations sent to pre-determined target(s)
- Customizable page backgrounds and element icons
- Paired with a Linked Device which serves as audio input device
- Windows-based application

Alarm Manager

Alarm Manager provides real-time classroom status during a lockdown emergency and occupants can report their status directing to the front office or command center. Responders can view color-coded classroom status on a room-by-room basis clearly displayed on the graphical user interface (Visual Console) facility floor map. Alarm Manager helps identify trouble areas in one glance and can enable 2-way communication between classrooms and first responders and a covert-listen feature if needed.
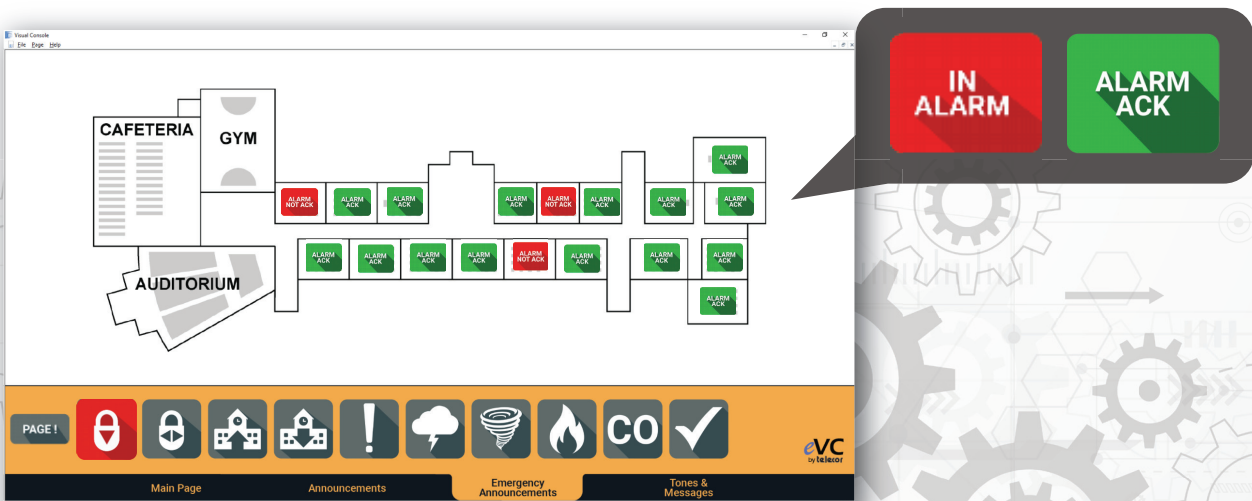
Fixed

Classrooms and common areas can have call buttons for routine messages as well as strategically placed panic switches for use in an emergency. Multiple fixed options are available to ensure Alyssa's Law Compliance. The flow in an emergency will be seamless, pre-planned and with the proper pre-recorded emergency announcements.

Mobile

Configured users can have mobile device quick access/activation of public address and mass notification operations. Notifications include the broadcast of pre-recorded audio announcements over the facility's PA speakers and textual messages to displays. With just a single activation, an entire school can be locked down in a instant. In addition, email and SMS messages are delivered to custom lists of recipients, including security and law enforcement personnel.

Mobile Duress

ePanic is mobile duress at your fingertips and leverages existing public address infrastructure. When initiated, ePanic pinpoints the alerts location on Visual Console, opens two-way communication to the closest network speaker and provides live video feed from the facility's existing security cameras. The command center can manage the entire emergency from one dynamic interface. The visual facility map will show the location of the mobile duress alert and provide point and click ability to trigger on and off-site communication including lockdown.

Virtual

eCall is a virtual call station that provides call-in capabilities from a work station by clicking on the virtual call button on the PC Screen. This initiates a call to an administrative console and when answered, voice communications are instantly established with the caller. The application can be deployed on both fixed and mobile PCs and will follow the teacher from classroom to classroom when the user registers their room location. This is an economical way to provide panic/call stations in classrooms without having to wire physical stations.

Virtual Lock Down

The virtual eCall station can include a button on the work station for immediate lockdown in the event of an emergency. This virtual lockdown button requires no hard-wiring and is economical to deploy.

Master Clock & Message Host

The Master Clock & Message Host provides on and off-site management of public address and intercom operations (very important during COVID when schedule/bell/announcement changes needed to be made quickly from off-site locations).

Features include:

- Maintenance notifications - Personnel will be emailed if there is an issue with any part of the public address system including speakers, call switches, etc.
- Mobile device - Users have quick access/activation of public address and mass notification operations (for configured users – i.e., lockdown is an example of an emergency action that can be triggered).

e365 Digital Emergency Display

This supervised display can scroll up to 64 characters and is perfect for noisy areas. Pre-recorded audio messages can be assigned text messages that will automatically display and a user can create and distribute on the fly custom messages. English, French and Spanish are supported.

e2444-LD All-in-One Display

The All-In-One Display combines a speaker, strobe, message display and clock/calendar into one device reducing overall cost and installation labor. Eyes and ears will be drawn to intercom calls, live paging announcements, and emergency messages with crystal-clear HD audio, scrolling text and configurable flash-patterned white, red, green or blue strobe colors.

Area of Refuge

This ADA compliant fully supervised station features normal and emergency call-in capabilities from a single, rugged call station with high visibility.

eAOR includes a tamper-proof call switch and vandal-proof speaker assembly that supports auxiliary functions like a door release, siren and strobe.

For over 40 years Telecor has established itself internationally as a provider and leader of quality intercom, paging, clock, mass notification and security communication products and systems. With thousands of systems installed across the United States and worldwide, Telecor offers complete process manufacturing – from the concept and design stages, through to a worldwide network of certified trained distributors in the Education, Healthcare, Security and Commercial markets. For more information, please visit www.telecor.com.

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