



Layered**Solutions**

## LED SIGNAGE & VISUAL PA

*Improve routine communication and crisis response with a combination of voice and can't-miss, visual messaging, delivered from a variety of devices.*



### PRODUCT OVERVIEW

- Reach anyone, anywhere with visual and voice messaging you can deploy simply by sending an email or tapping your smartphone.
- Equal access to information for both visually and hearing impaired.
- Activate signage, high-intensity flashers and audio intercom for individual, multiple or campus-wide devices.

### PRODUCT BENEFITS

- Multimedia alerts bypass distractions and reach all intended recipients, instantly.
- Equal access to information.
- Coordinated messaging across locations.
- Visual communications improve routine operations and double as synchronized emergency notification devices when needed.

### PRODUCT FEATURES

- Reach everyone by activating small, medium and large devices simultaneously, in stairwells, hallways, classrooms, offices, gymnasiums and cafeterias.
- Monitor sound and automatically activate messaging to reduce noise levels.
- Enable two-way communication with audio speakers and microphone.
- Coordinate colored, high-intensity flashers to message types (e.g. red/fire).
- View status and deploy alerts for pull stations, open doors, too much noise, etc.
- Initiate media content from emails, wireless buttons, motion detection and more, with click, tap, or drag-and-drop ease.
- Integrate with existing technology, supporting multiple manufacturers and devices, including PoE displays, adaptive displays, advanced network devices, desktop/laptop computers, and more.

# Technical Specifications

## REQUIREMENTS

LED signage and Visual PA devices are designed as Power over Ethernet devices with LED signage, speaker and three (3) high intensity flashers (red, white, and blue).

### Software

- LED Signage & Visual PA Module
- Tier 3 License per device
- Text to Speech Engine and Tier 3 License per port for audio over Visual PA Signs

### Equipment

- Server Platform - one of the following components:
  - ▶ Small Intel Server: Model-NUC Small Form Factor (LSI-H10200)
  - ▶ Dell Server: Dual Power, Hardware RAID (LSI-H10302)\*
  - ▶ Virtual Server: Requires client to provide virtual environment and network/tech support
  - ▶ Customer Provided Server: Minimum server requirements\*
- LED Signage & Visual PA – PoE devices
  - ▶ Devices have built in speaker and 3 flashers (red, white, blue)
  - ▶ Available in small, medium or large size signs – large sign has 2 built-in speakers

### Network

#### Server

- 1 static IP, subnet, gateway, DNS, per device
  - ▶ 3 static IPs, subnet, gateway, DNS, per device if using a redundant configuration
- Standard power (110V or 220V) per server
- Ethernet network connection required for each server
- UPS recommended
- It is the responsibility of the customer to appropriately configure their network equipment so that the server pair appears to be residing on the same network and subnet.
- *NOTE: Serial and parallel ports have been disabled on the LSI server*

#### LED Signage and Visual PA (PoE)

- DHCP device - If DHCP server is not available, required 1 static IP, subnet, gateway, DNS, per device
- PoE capable switch (PoE+ recommended)
- Ethernet network connection
- Power Injectors: Needed if existing switch does not have PoE+: 30W injectors required for all PoE devices
- Customer's DHCP server TFTP setting must be configured to point to the IP address of their LSI server (Option 150 for a Windows DHCP server).
  - ▶ *NOTE: To utilize the Text-to-Speech (TTS) audio component of the Visual PA & LED Signage Devices the TTS Engine and minimum of 2 Ports of Voice must be purchased. To utilize the "Speak Live" functionality over these devices, a phone interface is required. (See PBX Interface requirement options).*

\* optional redundant configuration



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## ABOUT LAYERED SOLUTIONS

*Layered Solutions is an experienced emergency management solutions provider that streamlines and simplifies emergency, safety and routine communication.*

*We support clients in education, healthcare, industrial, commercial and government by integrating technology to reach all of the right people with the right information simultaneously, for faster response times, safer environments and even life-saving results.*

## WHAT SHOULD YOU DO NEXT?

**Call us at 317-564-3208 or email [info@layeredsolutionsinc.com](mailto:info@layeredsolutionsinc.com) to find out more, set up your communications and emergency management assessment, webinar or on-site demo.**