

Product	Function
ANC-1 Ambient Noise Compensation Devices	Controls output levels, making automatic adjustments in response to changes in ambient noise levels.
MS-1e Message Processor	Offers multiple paging options, including message playback, event scheduling, VoIP paging interface, email reporting, logging, and remote access. Also provides the ability for live interworld paging between locations.
LSI-16 Life Safety Interface	Serves as an interface between a Vocia system and the Fire Alarm Control Panel.
CI-1 Control Interface	Allows the LSI-16 to interface with the Fire Alarm Control Panel.
.VOIP-1 VoIP Interface	Facilitates a direct connection from SIP-based VoIP extensions directly into a Vocia system.
VI-6 Audio Input Device	Supports sound masking solutions and up to six analog inputs.
DS-4 Paging Station	Desktop networked paging station.
VA-4300CV Amplifier	Provides sound reinforcement across the Vocia system.
PLD-2 Line Monitoring Devices	Loudspeaker monitoring for the Vocia system.

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## SYSTEM DESIGN GUIDE

### DISTRIBUTION CENTER

Vocia®

Distribution centers often have rows of warehouses that can seem to stretch for miles. With so many buildings spanning large tracts of land, reliable communication is key to both fulfilling orders on time and maintaining employee safety. Biamp's Vocia platform offers numerous networked paging solutions for organizations of all sizes, supporting effective communication across multiple zones and sites in real time.

In this distribution center scenario, communication between multiple sites is made possible because of the Wide Area Network (WAN) in place. The operation center has the ability to page directly to one zone in the distribution center, or to multiple distribution centers, depending on what the situation requires. Vocia features include live paging, as well as recorded, scheduled, and VoIP paging. Additional features include sound masking for office spaces, ambient noise compensation, and comprehensive system monitoring.

# SYSTEM DESIGN GUIDE

## DISTRIBUTION CENTER

Vocia serves as the hub for all general and critical paging needs. Because it is able to use an organization's WAN, Vocia can provide a seamless connection between multiple buildings and campuses. By adding the necessary Vocia software to the existing corporate network, the corporate office has the ability to page a particular zone in a distribution center, page multiple zones within that same location, or page into multiple sites. Integrating paging with ambient noise compensation allows the paging volume to adjust automatically to the space's ambient volume, thus ensuring pages are audible and intelligible, which is crucial in times of emergency. Vocia can also be used to supply sound masking solutions in offices, creating a more pleasant working environment.

Vocia is EN 54-16 certified and adheres to NFPA 72 regulations, giving you the confidence that it will work as expected for day-to-day paging requirements and during an emergency. Because there is no single point of failure, the system shown in this scenario will continue to operate normally if a device is damaged or goes offline.

### VOCIA FEATURES

- Decentralized networking with no single point of system failure
- Live interworld paging between campuses using corporate WAN
- Standard and critical paging in one platform
- Loudspeaker line monitoring
- Automatically adjusts the page volume based on the ambient noise in that zone

