

Product	Function
VA-8150 CV Amplifier	Provides network amplification for each platform and for the ticketing and common areas.
DS-10 Paging Stations	Desktop networked paging stations for the Information Desk, Security/Data Center and Communication Office with up to 999 user-configurable page codes.
EWS-10 Emergency Paging Station	Wall-mounted networked emergency paging station with up to 999 user-configurable page codes.
VI-8 Input Device	Allows emergency messages to play directly from the Fire Alarm Control Panel through the Vocia system.
VI-6 Audio Input Device	Supports up to six audio or background music inputs.
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.
MS-1e Message Server	Offers multiple paging options including a VoIP paging interface, message playback and event scheduling.
TTS-1e Text-to-Speech Server	Creates text-to-speech announcements; modular and scalable to many zones and languages.
PLD-2 Line Monitoring Devices	Loudspeaker monitoring for the Vocia system.
ANC-1 Ambient Noise Compensation Devices	Used on each platform and in the ticketing and common areas, the ANC-1 adjusts the page volume based on ambient noise levels.

VOCDG-450-1611-EN-R1



# SYSTEM DESIGN GUIDE

## RAIL STATION

Vocia®

People are constantly on the move, particularly in busy transit hubs like rail stations. With arrivals, departures, and transfers, the action never stops. All passengers need to know where to go and at what time. While displays play a critical role in communication, pages can assist in last-minute updates or track changes. Couple those needs with critical and emergency messages, and you'll need a solution that covers it all. Fortunately, Vocia offers a scalable, reliable, and complete paging and emergency communication solution.

In this transportation scenario, each area of the rail station has unique needs and requirements from a paging and life safety system. The communication office is the center of all message dissemination to passengers, operators, and station agents. Station employees may need to page a particular traveler throughout the facility or page a particular zone or platform to inform all passengers of a departure or arrival. Vocia's scalable and flexible design can handle this and much more.

Stations that serve international destinations may have the need for paging in multiple languages. Vocia's text-to-speech can handle multiple languages, and the system can disperse these messages to multiple zones and locations. When ambient noise fluctuates on the platform or in the central hallway, Vocia's ANC-1 can automatically adjust paging volume accordingly.

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## RAIL STATION

Vocia is EN-54 certified as well as NFPA 72-2016 compliant, and serves as the hub for all paging and emergency communication system support needs. Integrating paging with ambient noise compensation hardware allows the paging volume to adjust automatically to the rail station's ambient volume, thus ensuring pages are audible and intelligible, which is crucial in times of emergency. In addition, Vocia's Text-to-Speech Server (TTS-1e) functionality provides greater options for creating messages from simple text. Vocia also has the ability to interface with the Transit Management Database, allowing announcements from other systems.

Visit [support.biamp.com](http://support.biamp.com) for more information.

## VOCIA FEATURES

- Standard paging and emergency communication paging in one platform
- Decentralized networking with no single point of failure
- Scalable to grow with a facility's needs
- Adjusts the page volume based on the ambient noise in that zone
- Loudspeaker line monitoring

