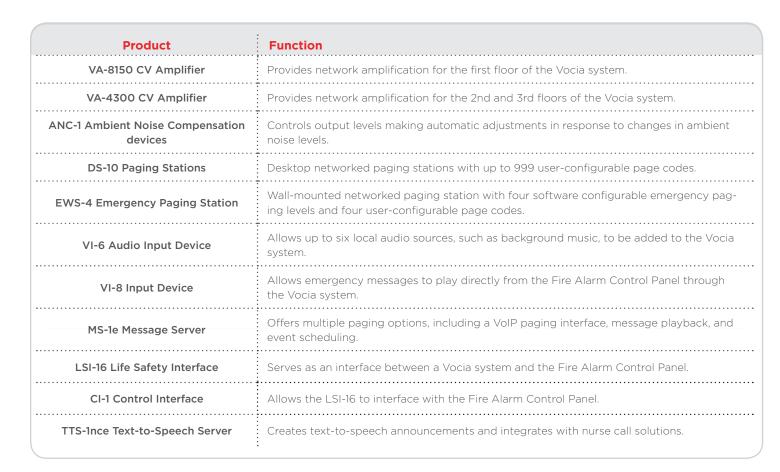| Product | Function |
|---|---|
| VA-8150 CV Amplifier | Provides network amplification for the first floor of the Vocia system. |
| VA-4300 CV Amplifier | Provides network amplification for the 2nd and 3rd floors of the Vocia system. |
| ANC-1 Ambient Noise Compensation devices | Controls output levels making automatic adjustments in response to changes in ambient noise levels. |
| DS-10 Paging Stations | Desktop networked paging stations with up to 999 user-configurable page codes. |
| EWS-4 Emergency Paging Station | Wall-mounted networked paging station with four software configurable emergency paging levels and four user-configurable page codes. |
| VI-6 Audio Input Device | Allows up to six local audio sources, such as background music, to be added to the Vocia system. |
| VI-8 Input Device | Allows emergency messages to play directly from the Fire Alarm Control Panel through the Vocia system. |
| MS-1e Message Server | Offers multiple paging options, including a VoIP paging interface, message playback, and event scheduling. |
| 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. |
| TTS-1nce Text-to-Speech Server | Creates text-to-speech announcements and integrates with nurse call solutions. |

VOCDG-449-1605-EN-R1

# SYSTEM DESIGN GUIDE

## MEDICAL CENTER
Vocia®

As technology advances and access to healthcare grows, medical centers worldwide are facing more demand than ever. Patients deserve the highest quality care in order to recover and thrive. Most modern medical facilities serve several different functions, from Birthing Centers to the Emergency Department to the Intensive Care Unit. Because such a diverse array of patients and medical professionals are onsite each day, healthcare providers are particularly sensitive to the importance of a flexible and comfortable healing environment. That means ensuring that pages intended for a physician in a particular department don't disturb patients who are recovering in a different area of the building, and that important announcements reach the appropriate floors. In this Healthcare scenario, different medical departments require specific paging and communication capabilities to meet the needs of staff, patients, and visitors.

# SYSTEM DESIGN GUIDE

## MEDICAL CENTER

Biamp's Vocia platform can perform a number of standard communication functions for day-to-day hospital activities in each department, from nurse call announcements to paging to emergency communications. Because different floors and departments have particular needs, Vocia supports zoned paging to communicate exactly where the messages are needed without disrupting other areas of the medical center.

A quieter healing environment contributes to faster recovery for patients. That's where Vocia's Ambient Noise Compensation (ANC) technology comes in. Integrating paging with ambient noise compensation allows the paging volume to adjust automatically to the space's ambient volume, ensuring pages are audible and intelligible, without unnecessary disruption of the healing process. In addition, Vocia's networked paging can interface with nurse call software, which also contributes to a quieter healing environment. Furthermore, medical centers must continue providing care in the event of a power outage or the loss of part of the network. Vocia's decentralized network means there's no single point of potential failure, allowing the system to continue functioning normally if one portion goes offline.

### VOCIA FEATURES

- Decentralized networking with no single point of failure

- Standard paging, zoned paging, and critical paging in one platform

- Seamless integration with nurse call solutions, as well as audio conferencing solutions like Tesira

- Scalable to grow with a facility's needs



THIRD FLOOR: BIRTHING CENTER

SECOND FLOOR: SURGERY AND ICU

SECURITY OFFICE

EMERGENCY DEPT.

CAFE

FIRST FLOOR: EMERGENCY DEPT., LOBBY AND OUTPATIENT