

INNOVATIVE IED[®]
electronic designs

**GLOBALCOM[®] 5400 Series
Emergency Communications and
Voice Alarm System**



**Designed to deliver the message
when seconds count**

GLOBALCOM® 5400 Series Emergency Communications and Voice Alarm System

The GLOBALCOM® 5400 Series was designed by our team of dedicated engineers from the ground up to meet the rigorous demands for Mass Notification and Emergency Communications as set forth by the NFPA (UL-2572) and European fire and life safety agencies (EN 54-16). While the 5400 Series is the key element for notification in your crisis management plan, it also excels as the day-to-day communication and paging solution required by the most demanding environments. From airports, subway and transit stations to hospitals, schools, stadiums, government facilities, office buildings and factories, the IED 5400 Series delivers the message clearly and concisely when seconds count.

Key Features

The GLOBALCOM® 5400 Series is loaded with features that make it easy to use, scalable to any size facility and cost-effective to implement. Key features include:

- Decentralized architecture using autonomous controllers that communicate to each other via Layer 3
- UL-1711 Listed amplifiers for fire protective signaling systems (Required by UL-2572)
- EN 54-16 Certified components for voice alarm control and indicating equipment
- Complete system supervision and testing from the microphone element to the loudspeaker
- Continuous real-time Ambient Noise Analysis and automatic output level control
- Fully-supervised logic inputs for fire alarm and security system interfaces
- Synchronous Visual Paging for recorded messages
- Multiple failover and system redundancy options
- Fully-configurable touch screen paging and communications stations
- Integrated VoIP telephone interface
- Works with IED Director® for easy-to-produce Custom Graphical User Interfaces.
- Complete integration with existing GLOBALCOM® vACS Announcement Control Systems or legacy 500 ACS systems (Requires GLOBALCOM® vACS software)

GLOBALCOM® 5400 Integration with vACS Software

Adding a processor running GLOBALCOM® vACS software to a GLOBALCOM® 5400ACS provides the following capabilities:

- Two-way communications control and announcements between the 5400 Series and 500ACS systems equipped with 510N network cards via an Ethernet Level 2 switched network
- Two-way communications control and announcements between the 5400 Series and GLOBALCOM® vACS systems via an Ethernet Layer 2 switched network or through Ethernet Layer 3 (routed) networks using RTP
- Up to 16 additional channels for recorded message playback and recording
- Text-to-Speech Courtesy Announcement System capabilities
- Flight Announcement System capabilities
- Two-way intercom communications
- Server-based information display capabilities such as Flight Information Displays, Transit Information Displays, Gate Information Displays and up-to-date data displays for manufacturing plants, medical centers, etc.

Why Chose IED?

Innovative Electronic Designs invented the computer-controlled announcement control system. Every other manufacturer has been following our lead. For more than 30 years, IED has developed new and unique ways to get the message to occupants in every size building and over large-scale areas when time-critical announcements have to get through. IED's Announcement Control Systems are used in Emergency Communications Systems and Mass Notification Systems where announcements must be delivered clearly and concisely. Billions of people hear important messages over IED systems annually. We are committed to providing the very best communications solutions for any market. So, when seconds count to get the critical message out to building or area occupants, you can count on an IED GLOBALCOM® system to deliver.

GLOBALCOM® 5400 Series Flexible and Scalable Architecture



The IED 5400 Series includes a variety of devices used to create a scalable emergency communications and voice alarm system specific to the needs of any size or type of facility. The 5400 Series integrates seamlessly with existing GLOBALCOM® vACS Systems to add the components required for compliance. In addition, any Dante™ enabled network audio device can be incorporated into the system for added functionality not provided by the core ECS / VACIE system.

Announcement Controllers

- IED5400ACS Autonomous Announcement and Paging Controller
- IED5400LL Lifeline (Backup) Announcement Controller

Paging / Audio Inputs

- IED5450CS Handheld or Gooseneck Programmable Touchscreen Paging Station
- IED5416CS Handheld or Gooseneck 16 / 32 Button Programmable Paging Station
- IED5404CS 4 Button + PTT Programmable Paging Station
- IED5401CS PTT Programmable Paging Station

Amplifiers and Zone Processors

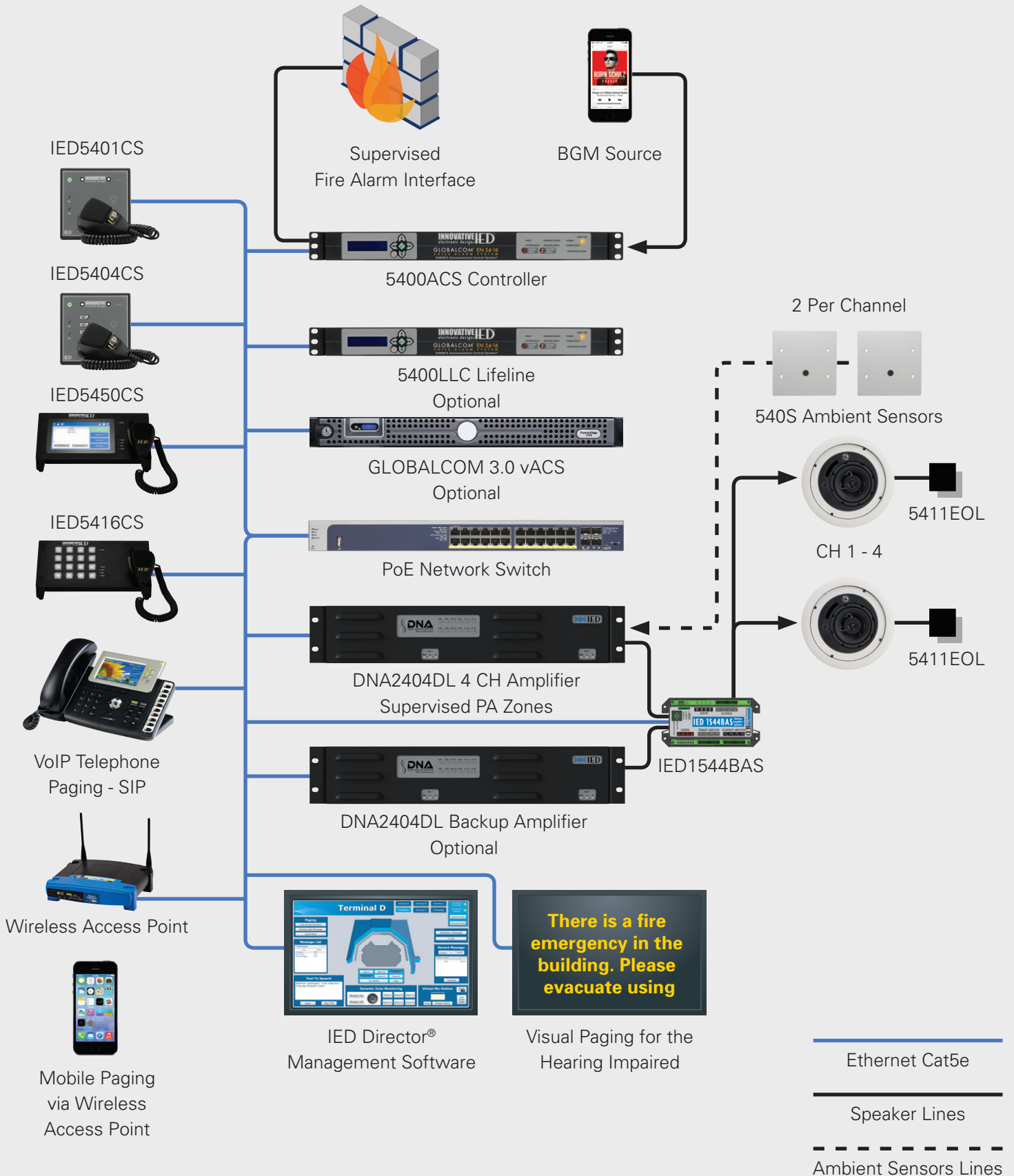
- DNA2404DL / DH 4 x 600w per Channel Amplifier with Integrated Ambient Analysis, DSP and Supervision
- IED5404DZM 4 Output Zone Processor with Integrated Ambient Analysis, DSP, Backup Amp Switching and Supervision
- IED5432DZM 32 Output Zone Processor with DSP, Backup Amp Switching and Supervision
- IED5414AMP 4 x 100W per Channel Amplifier (100V CV, 240AC/24VDC)
- IED5434AMP 4 x 300W per Channel Amplifier (100V CV, 240AC/24VDC)
- IED5454AMP 4 x 500W per Channel Amplifier (100V CV, 240AC/24VDC)

Specialty Devices

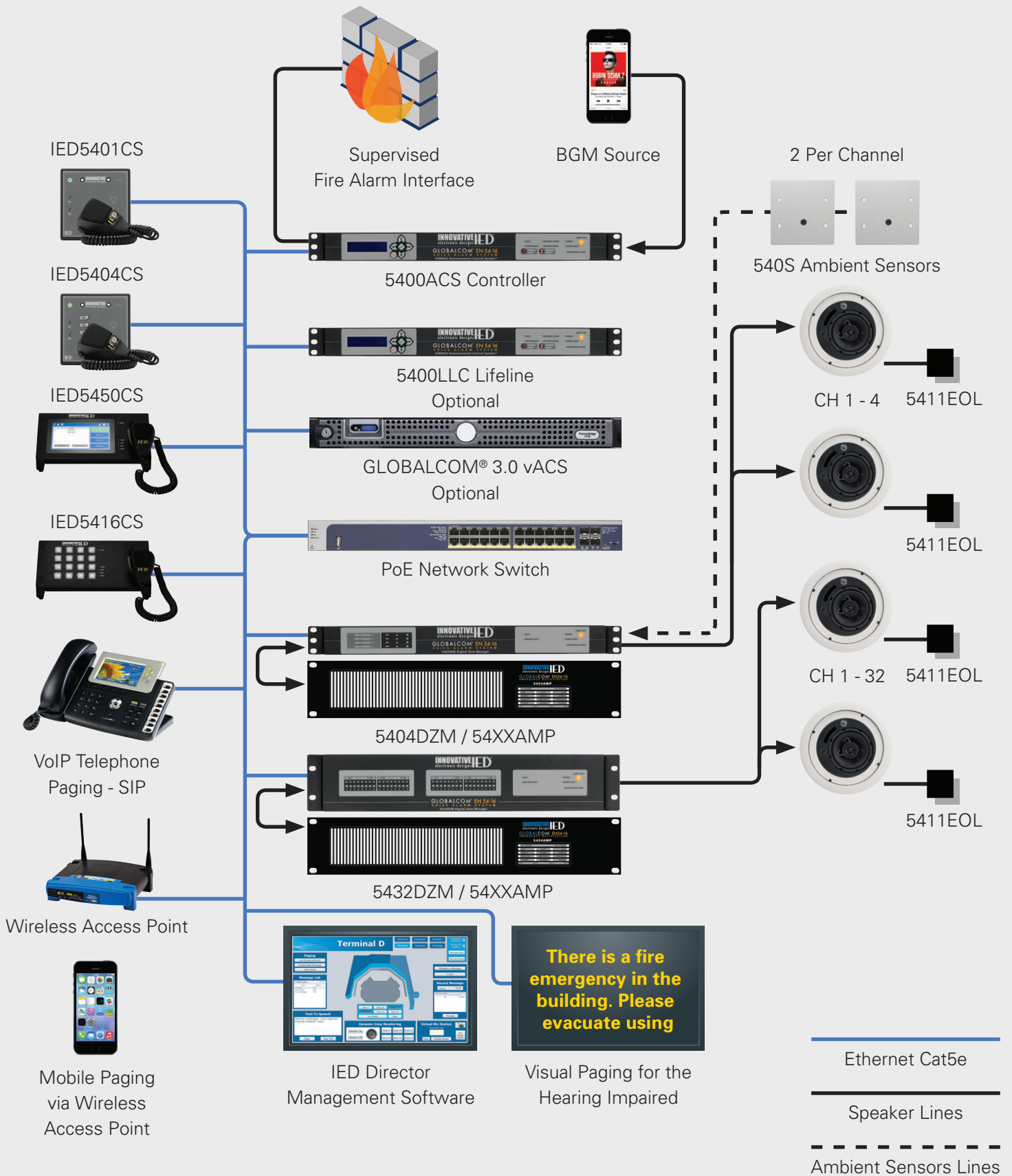
- IED5410 / 5411EOL End of Line Testing Modules
- IED1544BAS 4 x 4 Backup Amplifier Switch (Automatic)
- IED1516LI / LI-E 16 Channel Logic Input Device + 16 Channel Expansion
- IED1522LR 2 Logic Input x 2 Relay Output IO Device
- IED540S Ambient Noise Sensor

Typical Domestic (NFPA72) System

USA Domestic systems typically utilize the UL- 1711 Listed DNA Series amplifiers to comply with UL-2572 and NFPA requirements. Systems with AHJ (Fire Marshal) approval can use any combination of components.



Typical European (EN 54-16) System



Facility Specific Control Software

IED DIRECTOR®

IED DIRECTOR® is a management and operations package that provides a comprehensive application specific interface to your IED GLOBALCOM® system. The software provides an easily accessible view of your overall system status and makes system operation very easy through an intuitive and fully customizable graphical user interface. IED DIRECTOR® is the ideal addition to your GLOBALCOM® system for system management in complex facilities such as large airports, public transportation systems, industrial campuses or retail centers.



Facility Specific Control Software



IED DIRECTOR® can be deployed in a variety of locations throughout a facility and can be customized for any facility layout. The World Trade Center chose GLOBALCOM® and DIRECTOR® to allow their facility management personnel the ability to easily facilitate messaging and monitoring throughout the complex from a central location.

Visual Paging

IED is leading the way for integrated audio and visual paging systems for paging and message delivery. IED VIS Software works with GLOBALCOM® 5400 Series, 1000vACS and 510/520ACS systems to automatically deliver fully synchronized visual text messages to visual display devices such as LCD flat panel displays or LED signs. When not actively used for a visual announcement, displays can be programmed to showcase a variety of content such as public service announcements or advertising. Adding VIS to a system assists facilities in compliance with the Americans with Disabilities Act (ADA) by providing a system with the highest degree of message comprehension.





Innovative Electronic Designs supports effective Crisis Management by delivering unsurpassed communications that save lives, when seconds count.

For over 30 years, Innovative Electronic Designs (IED) has been an innovator in cutting edge public address, mass notification, and life safety systems. Our GLOBALCOM® Announcement Control System (1000vACS) is engineered to be scalable, flexible, and affordable utilizing network-centric infrastructures. Whether for routine communication, or crisis management, IED systems and support will ensure maximized efficiency and traffic flow.



To Learn More Please Visit www.iedaudio.com or Call (502) 267-7436