

Industrial Public Address General Alarm System

Model I-PAS



Shown with optional equipment

Industrial Public Address / Communication Systems

- Stand-alone, hot standby, or duplicated systems with network options
- Digital Signaling Processing (DSP)
- 8 Zone PBX interface option provides store and forward, and live paging
- Full feature control panels with custom touchscreen options
- High power speakers and amplifiers up to 4000 watts per cabinet
- Remote I/O for integration into fire & gas, automation or safety systems
- IP configurable nodes
- Built in tone generator and voice message storage (up to 128 messages standard)
- Mass notification options
- Background music input (auxiliary audio)
- Intercom interface

Federal Signal's Industrial Public Address System (I-PAS) is a reliable, cost-effective, off-the-shelf solution providing users flexibility to specify a precise combination of features and capabilities previously available only in highly integrated custom communication systems.

The I-PAS system is engineered for tough, demanding industrial applications that call for public address to oversee critical production processes in combination with general alarm communications for safeguarding personnel facility wide. As versatile as it is dependable, I-PAS is compatible with a full range of industrial and commercial speaker options in low to high outputs.

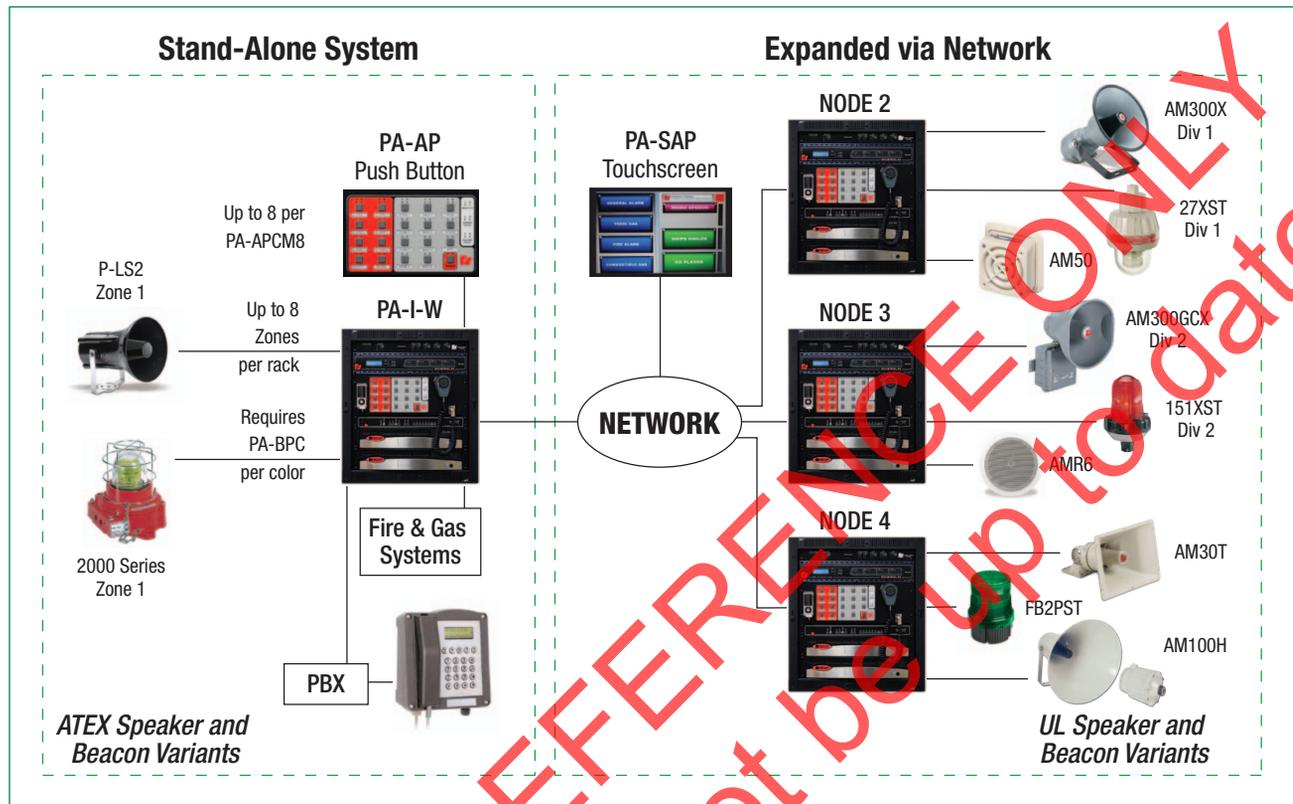
I-PAS is based on the theory that optimum configurability promotes maximum flexibility. A standard graphical user interface (GUI) supports both touchscreen control and the design of application-specific interfaces. The system can be easily wired for single-loop speaker configurations as well as larger, more complex redundant/duplicated or IP/networked solutions.

In addition to high quality public address and reliable general alarm, I-PAS supplies the necessary control options (6 inputs and 12 outputs standard) to facilitate easy integration into other disparate systems. I-PAS readily connects to PBX telephone systems through an optional PA-TZM8 telephone module. Using the supervised version of the amplifiers allows for efficient monitoring of both speaker loops and amplifiers for faults. The optional Hot Standby Module (PA-HSM) provides an additional layer of reliability by transferring the speaker load to a standby amplifier in the unlikely event of an amplifier failure.

The ability to integrate across a multitude of platforms, plus the potential utilization of cost-effective networking (when applicable), makes I-PAS the productive solution for both small and large plant communication systems. Seamless integration over hardware, fiber optics and Ethernet, coupled with a full range of operator controls, including touchscreen GUIs and analog control panels, substantially simplifies the process of integrating a system to meet unique application requirements.



INDUSTRIAL PUBLIC ADDRESS SYSTEM (I-PAS)



HOW TO ORDER

I-PAS SYSTEM RACK:

- PA-I-W** PA-System, Wall Mount 18U, up to 8 Zones. Includes 1 x PA-IPAC Controller, 1 x PA-APCM8 Hard Access Panel Module. Amps and access panels ordered separately.
- PA-I-F** PA-System, Floor Mount 42U, bottom entry, up to 8 Zones, includes PA-IPAC Controller, PA-APCM8 Hard Access Panel Module. Amps and access panels ordered separately.

AMPLIFIER SELECTIONS:

Up to 4 per rack cabinet of the same type.

- CTS2000-120** Two Zone, 2 x 500W zones, 120VAC operation
- CTS2000-240** Two Zone, 2 x 500W zones, 240VAC operation
- CTS2000-120-S** Two Zone, 2 x 500W zones, 120VAC operation, Supervision (Amp / Speaker Line)
- CTS2000-240 -S** Two Zone, 2 x 500W zones, 240VAC operation, Supervision (Amp / Speaker Line)

ACCESS PANEL SELECTIONS: Max of 8 per PA-APCM8 module

- PA-AP** Hard Access Panel Desk Mount
- PA-AP-19** Hard Access Panel 19" Rack Mount
- PA-SAP*** Soft Access Panel (Touchscreen GUI) unlimited quantity
*Requires PA-NS network switch option
- PA-SAP-19** Soft access panel mounted on plate for use in 19" racks or control consoles
- PA-RMS** Remote Mic Station

I-PAS RACK OPTIONS:

- PA-TZM8** Telephone Zone Management Module, 8 Zones, Store and Forward (Feedback Control)
- PA-NS** Network Switch (1 per node/rack), required for IP connectivity and soft access panel operation
- PA-HSM** Hot Standby Module
- PA-BPC** Beacon Power Circuit, for control and initiation of field beacons (single color)

REPLACEMENT / SPARE PARTS:

- PA-IPAC** Digital Processing Controller
- PA-APCM8** Access Panel Controller, 8 Channels