

▶ Model I-PAS

Industrial Public Address General Alarm System



Shown with optional equipment

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.

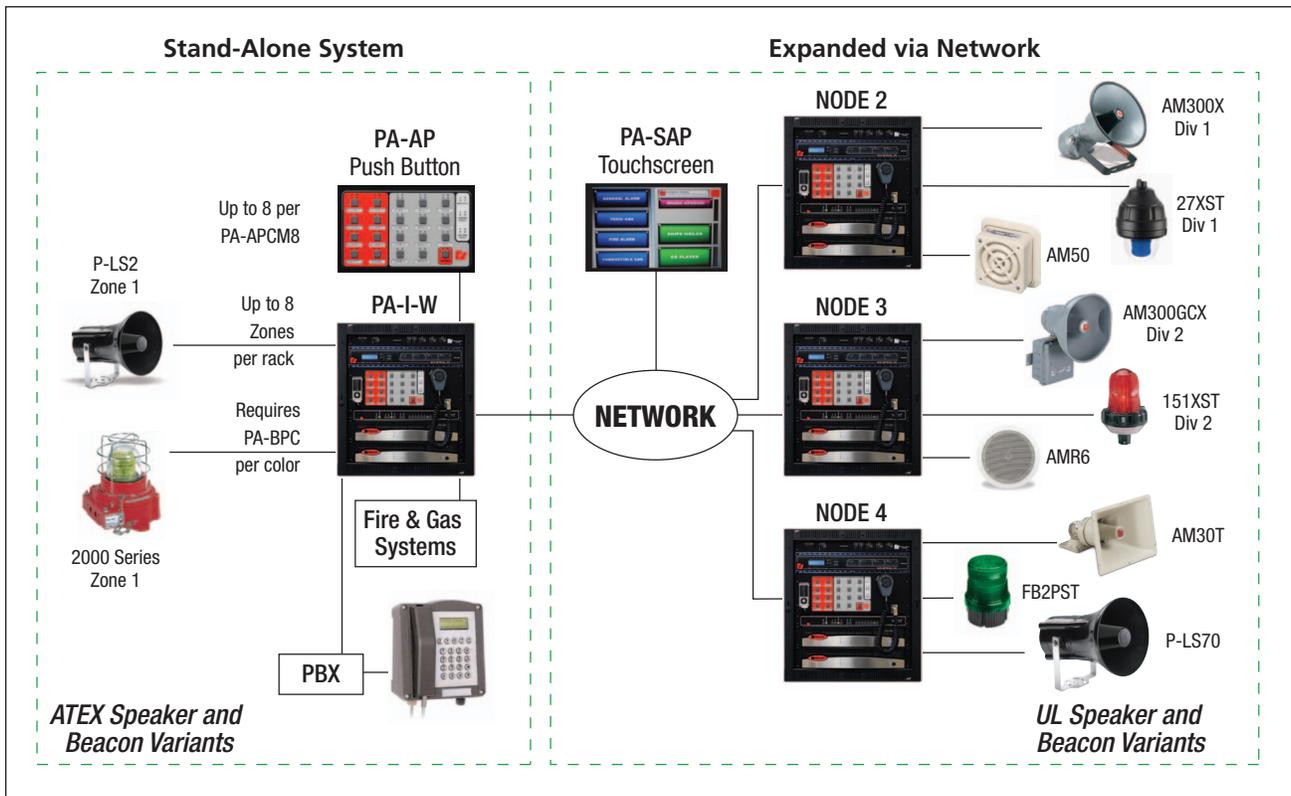
In addition to high quality public address and reliable general alarm, I-PAS supplies the necessary control options (6 inputs and 12 outputs standard) to facilitate easy integration into other disparate systems. I-PAS readily connects to PBX telephone systems through an optional PA-TZM8 telephone module. 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 hardwire, 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.

FEATURES

- Stand-alone, Hot Standby, or Duplicated systems with Network Options
- Field configurable zones, I/O, and access panels
- Impedance monitoring of speaker circuits with optional Individual Intelligent Speaker Monitoring and remote Tapping system (ISMT)
- GUI, MIMIC and system diagnostics
- Modular Construction with Hot Swappable Amplifiers and Power Supplies
- UKOOA, PFEER, NORSOK, IMO, ABS, SOLAS, DNV
- Greater than 84% efficiency Class D (Digital) PWM amps
- PBX Interface and Feedback Eliminator (options)
- Full compliment of safe and hazardous area access panels and microphone stations
- Fiber Optic Ready
- IP-Networkable
- Custom tones and voice messages

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.

CTS2-300-120-240 – Audiomaster® Public Address High Powered Amplifiers, 150 Watt, 120-240VAC

CTS2-600-120-240 – Audiomaster® Public Address High Powered Amplifiers, 300 Watt, 120-240VAC

CTS2-1250-120-240 – Audiomaster® Public Address High Powered Amplifiers, 500 Watt, 120-240VAC

CTS2-2400N-120-240 – Audiomaster® Public Address High Powered Amplifiers, Network Monitoring, 1000 Watt, 120-240VAC

SBRM4 – Standby Routing Module for CTS2 Series Amplifiers

ACCESS PANEL SELECTIONS:

Max. of 8 per PA-APCM8 module

PA-AP – Hard Access Panel Desk Mount

PA-AP-19SA – 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

OPTIONAL ACCESSORIES

I-PAS RACK OPTIONS:

Description	Part Number
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-BPC – Beacon Power Circuit, for control and initiation of field beacons (single color)	
PA-I-GAP – Touchscreen PAGA Access Unit	

REPLACEMENT PARTS

Description	Part Number
Digital Processing Controller	NION-NE-FS
Access Panel Controller, 8 Channels	PA-APCM8