IDA8
Highly Integrated
Secure PA/VA Network System
Delivering Your Message
ATEÎS proudly introduces a highly integrated Public Address/ Voice Alarm system which has all the essential functionality to comply with EN54-16 and UL2572 requirements.

The IDA8 system offers a fully digital and networked PA/VA system built on a true drag-n-drop DSP platform offering all industry standard adjustable parameters within the digital domain. The IDA8 controller consists of an 8 input by 8 output networked control for the use in any installation size, whether it is a small local system of 256 zones or a big complex multi-zone and multi-input system of 8,192 zones. All these functions are present within the main matrix to ensure the high quality of audio production required at different ambient environment and sites.

IDA8C has four monitored paging microphone inputs, nine monitored EVAC inputs, eight contact outputs, and is capable of connecting up to eight monitored amplifiers and two backup amplifiers. Each speaker line zone is with A/B line detection per line according to BS 5839 part 8.

The IDA8 system has network redundancy on many levels, including local/global network redundancy, back-up amplifier switching/sharing, system unit back-up redundancy in cases of the controller or amplifier breaks down. All of these features provide the highest level of full-redundancy and offers complete real-time monitoring to ensure a secured installation. Ethernet communications are utilized for software control, configuration, and DSP distribution. Flexible use of network card allows for CAT5/6 or fiber (multi or single mode). Each multi-unit application features a fully redundant network configuration with less than 0.02ms latency between units.

**PROCESSORS**

IDA8C
Networkable PA/VA System Controller – Matrix Mode

IDA8SAB
Networkable PA/VA System Secondary Unit – A/B-zoning – Matrix Mode

IDA8S
Networkable PA/VA System Secondary Unit – Matrix Mode

IDA8SL
Networkable PA/VA System Lo-Z Secondary Unit – Matrix Mode

IDA8C-SW
Networkable PA/VA System Controller – Switch Mode

IDA8SAB-SW
Networkable PA/VA System Secondary Unit - Switch Mode

**REMOTES**

PPM-AS
Desktop Paging Console

PSS-AS
Color Touch Screen Paging Console

URC
Programmable Remote Controller

URC-200
Ethernet Programmable Remote Controller

CD-Touch
Wall-Mounted Touch Screen Paging Console
Highly Integrated Secure PA/VA Network System

APPLICATION EXAMPLE

IP NETWORK over Ethernet & Internet (64Kbit/s per call or 128Bit/s per stream)
Highly Integrated Secure PA/VA Network System

AMPLIFIER

**BPA BPA-2120 / BPA-2240 / BPA-2480 / BPA-1000**

48VDC Backup Bridging Power Amplifier

REDUNDANCY SWITCHING UNIT

**RU-Main**
Digital Audio Processing Unit with Paging Console Interface

**RU-CTL**
Secured Audio IN/OUT Contacts Unit

**RU-PDC**
Auxiliary Audio IN/OUT Contacts Unit with Paging Console & Telephone Line Interface

ATEÏS IDA8 RU-series are designed to provide the reliability of high level full-redundancy and offer complete real-time monitoring. The RU-MAIN device is in charge of auto switching to primary/secondary devices and re-operate for IDA8C controller and IDA8SAB secondary units in case of any emergency occurring. If the primary audio processor is active, all signals from peripheral devices shall be directed to the primary audio processor.
APPLICATION EXAMPLE

Full support for 100% redundancy and use of watchdog services guarantees maximum system availability with immediate switchover of primary to secondary not only by means of active spare amplifiers but also the control equipment. Should any main equipment fail there is an automatic switchover to the redundant system to ensure uninterrupted operation.

ATEÏS STUDIO
DESIGN SOFTWARE

The feature rich Design Software provides all of the necessary tools to configure the IDA8 system to perform any task for any situation needed to deliver a fully integrate public address and emergency communication system.

ATEÏS TERRA-MANAGER
INTEGRATED GUI CONTROL SOFTWARE

The Terra-Manager software suite allows for a custom and dynamic GUI for monitoring, paging, messaging, flash-recording, Text-to-Speech, remote control, Logic triggering, advanced messaging and logic scheduler, and much more!
**FEATURES**
- Up to 48 simultaneous audio channels per local network
- Up to 256 zones in a local network
- Up to 8,192 zones in a global network
- Fully Digital with 8 Supervised audio outputs and up to an additional 8 audio inputs
- 2 dedicated audio in & outputs for amplifier backup
- 4 dedicated & monitored Peripheral Device Controller ports (PDC) for paging consoles
- 9 supervised control inputs & 8 control outputs
- Programmable Fault and EVAC relay outputs
- Flexible use of network cards, CAT5-100m & Fiber –10Km (up to 20Km Extended)
- Optional use of audio cards
- 32-bit DSP with superior A/D & D/A conversion
- Internal digital message memory-up to 100 minutes in WAV format (16k 16bit) or 400min in G.722 format, 4 message players
- Reporting tools with event tools

**Flexible**
- Dynamic 48 Channel Audio Network
- Full Digital Signal Processing
- Emergency Broadcast
- Powerful & Customized DSP
- Audio Streaming
- Message Playing & Recording
- Priority Control
- VoIP

**Reliable**
- Full Monitoring & Redundant Backups
- Failure Detection
- EN54-16 Certified
- UL2572 Pending

**Expandable**
- Up to Large Scale Installations

**CONTACT**

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