

# HEX-8 INTEVIO 8-ZONE EXPANDER

- Supports up to 8 speaker zones
- Dual channel operation to support two audio channels simultaneously.
- Independent volume control for each audio channel
- 500W output capacity for each zone
- Can connect up to 4 main amplifiers and 1 backup amplifier
- Flexible amplifier backup mode, one backup amplifier can be used to back up all amplifiers in the system
- 8 monitored dry contact inputs
- 8 dry contact outputs
- Supports 3-wire and 4-wire volume controllers
- Automatic fault detection: main power, backup power, CPU, amplifier, speaker line, speaker line grounding, dry contact inputs and network.
- Can be used with one line input port, in standalone mode or when the controller CPU fails
- 24DC output, to power external devices such as volume controller
- Can work as stand alone (for PA announcements in case main Controller CPU fails) or in network mode along with HCU-2000
- Connects up to 15 units of HEX-8
- Expands up to 8 Zones for INTEVIO system
- Supports one-for-all amplifier backup
- With 1 line input, 8 monitored contact inputs and 8 contact outputs
- Supports single audio channel mode & dual audio channel mode
- Automatic fault diagnosis



## ABOUT THE INTEVIO PUBLIC ADDRESS AND VOICE ALARM RANGE

Honeywell's INTEVIO Public Address and Voice Alarm system is the ideal solution for single buildings. It is an integrated solution that can provide better stability, cost savings, and higher user experience and performance

## DESCRIPTION

HEX-8 is the zone expansion device controlled by HCU-2000, which adds 8 speaker zones, 8 monitored contact inputs and 8 contact outputs to the INTEV IO system. The HEX-8 is used primarily when dual channel audio is required for a project

## FUNCTIONS

### Input/output

HEX-8 has 8 monitored contact inputs that can be linked with the fire alarm system to trigger alert and evacuation messages when fire happens. 1 line input is provided to connect with an internal audio source. HEX-8 also has 8 contact outputs that can be used to activate external devices. It has 8 pairs of 100V speaker outputs where each one allows multiple loudspeakers to be connected in parallel. Two audio output ports for audio channel 1 and audio channel 2 can be used to connect with 3rd party power

amplifiers or devices. One 24VDC output is provided to power external device.

### Automatic fault diagnosis

HEX-8 has an automatic fault diagnosis function to supervise various types of faults such as main power, backup power, CPU, power amplifier, speaker circuits, dry contact inputs, communication line, etc. All the fault information will be shown on the LED indicators on the front panel.

### All calls possible even if the Controller CPU fails

The external audio source connected to the line input can still be delivered to all the local zones when the controller CPU malfunctions. This function can reduce the system downtime due CPU failure and increase the safety level during emergency.

## Technical Specification

Main power supply voltage	AC 100-240V, 50/60Hz
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Backup power supply voltage	AC 100-240V, 50/60Hz
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Main power supply fuse	T2AL 250V
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Rated power	35W
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### LINE INPUT

Input signal	1V(OdBV)
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Input impedance	20 K $\Omega$
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Frequency response	80Hz-18KHz
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SNR	>85dB, A weighted
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### AUDIO OUTPUT

Output channels	CH1, CH2
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Output signal	1V(OdBV)
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THD	<0.1%
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### POWER AMPLIFIER CONTROL INTERFACE

Channel No.	3 (CH1, CH2 and spare amplifier)
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Output signal	1.4V
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THD	<0.1%
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Control signal	Self-testing, amplifier fault and power saving control signal
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### LOUDSPEAKER CIRCUIT

Output channel No.	8 (with group A and group B)
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Maximum loudspeaker load	500W
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## Certifications and Approvals

Category	Region	Certification
Safety	Europe	CE Certified
Safety	Global	CB Certified

#### For more information,

<https://honeywellbuildings.in>

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Gurgaon - 122002

### CONTACT INPUT / OUTPUT

Contact inputs	8 monitored contact input ports
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Contact outputs	8 Contact output ports (NO, NC and COM)
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Max. working voltage for outputs	AC 250V/DC 30V
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Max. working current for outputs	2.5A
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### OTHERS

DC Power output	24V/1A
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### OPERATING CONDITIONS

Humidity	< 95%, without condensation
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Operating temperature	-10°C~+55°C(14°F to +131°F)
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Storage temperature	-40°C~+70°C(-40°F to +158°F)
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### WEIGHTS AND DIMENSIONS

Product dimension (W×H×D)	482 mm×88 mm ×407 mm
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Package dimension (W×H×D)	580mm×235mm ×552mm
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Net weight	7.5Kg
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Gross weight	10.3Kg
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## Ordering Information

Description	Ordering Information
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8-Zone Expander	HEX-8
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