

# IP CONTROLLER

Paging and Alarm System Controller



- 1U / ½ 19" rack width shelf mount
- Power input -PoE
- Up to 8 contact inputs
- Up to 8 open collector outputs
- Up to 256 Modbus over IP inputs & outputs
- 1x 600Ω audio input + dedicated contact
- 1x 600Ω audio output + dedicated contact
- SIP phone connection
- Up to 16 IP access panels
- Up to 8 Multicast broadcast inputs
- Up to 16 Multicast broadcast outputs
- Network connection to other IP controllers

The table or rack mount PoE powered IP Controller is the principal component of an IP public address and/or general alarm system.

Use the IP Controller as a standalone alarm generator and SIP telephone connect, or with GAI-Tronics range of IP paging and alarm products, SP2, HUBBCOM™ devices, IP input and output modules, and IP amplifiers.

The intuitively programmable controller also continuously monitors the integrity of GAI-Tronics IP paging devices and immediately reports changes in activity and system health.

Connection to up-to-sixteen Windows 10 app based IP access panels provides zone specific live audio paging and alarm generation.

In addition to 256 Modbus/IP input and outputs each controller has 8 local dry contact inputs and 8 open collector outputs.

Local audio input and output connections offer analog connection to the IP paging and alarm system.

System monitoring is available via GAI-Tronics Portal firmware and full configuration via GAI-Tronics Console firmware.



# IP CONTROLLER TECHNICAL SPECIFICATIONS

## GENERAL SPECIFICATIONS

### Electrical

#### PoE:

PoE, IEEE 802.23af Class 0: 4.3W/15.4 W (idle / max)

PoE Plus, IEEE 802.3at Class 4: 4.3W/25.5 W (idle / max)

### Ethernet

Ethernet: 100/1000 Base-T

Speed: 100/1000 Mbps

Cable; Category 5e or better

Connection: RJ-45 T568B jack

Maximum cable length: 100 m

### Audio Output

Audio level: 0.775 VRMS/1 kHz (600 Ω)

Frequency response: 300-3,400Hz

Distortion: <1% THD /1 kHz /1 VRMS /600 Ω

Control Output: Isolated Normally Open SSR

### Audio Input

Input level: 0.775 V RMS

Input Impedance: >50 kΩ at 1 kHz

Bandwidth: 300-3,400Hz

Control Input: N.O. dry contact

Status LED: Power, PA in use, System status

### Inputs

Open circuit voltage: 3.3 V dc (typical)

Short circuit current: 35 μA (maximum)

### Outputs

Maximum voltage: 30 V dc

Maximum sink current per output: 100 mA

### Mechanical

Unit dimensions : 43.8H × 216W × 226.3D mm

1.72 × 8.5 × 8.91 in

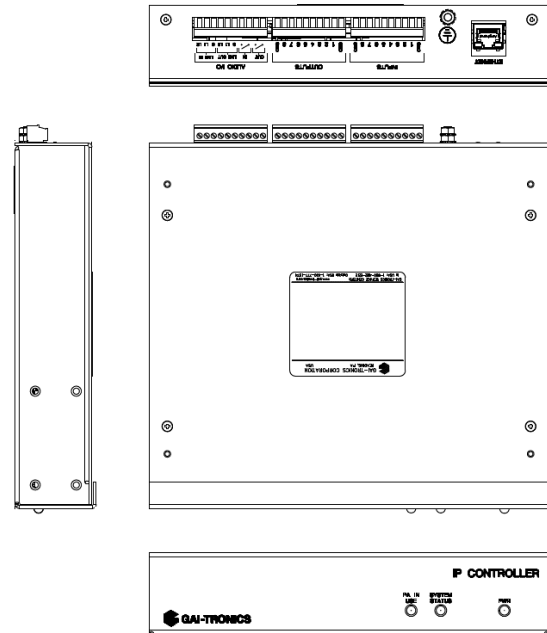
Unit Weight: 2.4 kg/5.2 lb.

### Environmental

Operating temperature range: -20 °C to +55 °C

Relative humidity: 95%

## DIMENSIONS



## CERTIFICATIONS

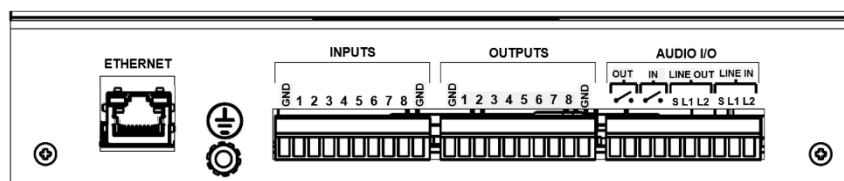


IEC 62368-1

## ORDER INFORMATION

MODELS	DESCRIPTION
013-02-0096-001	IP Controller
12625-001	Rackmount kit (single unit)
12625-002	Rackmount kit (two units side by side)

T: +44 (0) 1283 500500 E: sales@gai-tronics.co.uk



UK: Tel: +44 (0) 1283 500500  
 USA: Tel: +1 (610) 777-1374  
 Italy: Tel: +39 02 4860 1460  
 Malaysia: Tel: +60-3-8945-4035  
 Australia: Tel: +61-28-851-5000

www.gai-tronics.com  
 www.gai-tronics.com  
 www.gai-tronics.com  
 www.gai-tronics.com  
 www.austdac.com.au

