

Features

- **Wired or WiFi VoIP**
- **One-way broadcasting from IP network**
- **Weatherproof enclosure**
- **Direct 120/240 V ac input power or PoE**
- **30-watt speaker amplifier (into an 8-ohm speaker load) 10370-x01 series with 120/240 V ac input**
- **24-watt, 70.7V or 100V audio output, 10370-x02 series with 120/240 V ac input**
- **600-ohm audio output (all models)**
- **Two programmable dry contact closure outputs**
- **SIP compatible (RFC3261)**
- **Real-time alarm reporting via email, Syslog, or TMA software**
- **Configurable via web page, serial link or download**
- **Multicast capability, up to eight addresses**



Model 10370-802 (Shown)



GAI-Tronics Model 10370-70x series VoIP Speaker Amplifier Assemblies enable broadcasting to personnel throughout a facility or area over an existing VoIP network via an external speaker(s) or connection to a central amplifier speaker system. The Model 10370-80x series VoIP WiFi Speaker Amplifier Assemblies provide the same capability as the Model 10370-70x series but allow connection to an existing wireless network. The amplifier assemblies can easily be added to an existing network (10/100 baseT Ethernet) or wireless network (IEEE 802.11 b/g) with minimal cost or effort.

The -701 and -801 series speaker amplifiers include an integrated speaker amplifier circuit that can supply up to 30 watts of output power to an 8-ohm speaker or combination of speakers equaling 8 ohms. The ability to utilize any speaker or horn/driver combination permits selection of speakers that meet the coverage and environmental requirements of a specific area. The -702 and -802 series amplifiers also include an integrated speaker amplifier circuit but will instead provide a 70.7 V or 100 V, 25-watt output, eliminating the need for a separate central amplifier for smaller system applications.

For additional design flexibility, each amplifier assembly also includes a 600-ohm, 0 dBm audio output. This output can be connected to the audio input of a larger central amplifier or any broadcast equipment that requires a 600-ohm audio input.

Each VoIP or VoIP WiFi Speaker Amplifier is capable of providing two dry contact, type A (normally open) outputs. Each output is programmable for a variety of uses such as activation of a strobe in a high noise area or initiating a door latch remotely.

Performance Specifications

POWER OPTIONS

AC Power

Input Voltage 120/240 V ac, 50/60 Hz
 Input Current 0.35 A @ 120 V ac, 0.2 A @ 240 V ac

Power Over Ethernet (PoE), -701 and -702 models only

Power 802.3af compliant (via RJ45)

AUDIO

Output

Speaker Output Power

With PoE 8 W into 8-ohm load, or
 6 W into 70.7 V/100 V system
 With 120/240 V ac input 30 W into 8-ohm load, or
 24 W into 70.7 V/100 V system
 Line out (into 600 ohms) 1.0 Vrms
 Frequency Response 300–3000 Hz

Network (Ethernet)

Signaling SIP (RFC3261 compliant) Loose routing
 Configuration Embedded web server,
 Embedded Telnet server,
 Configuration file download,
 Configuration file building tool (Vconf.exe),
 Direct serial connection,
 (Nine-way D-type female connector),
 Command line interface,
 SNTP with time zone and daylight saving,
 Automatic updating via TFTP,
 Password protection

Control Outputs

Output 1

Isolated solid switch state 50 milliamps @ 30 V ac/dc
 (resistive load)

Output 2

Isolated SPST relay 10 amps @ 30 V ac/dc
 (resistive load)

WiFi Module, -801 and -802 models only

Antenna (internal) 2.4 GHz, 2.0 dBi, 50-ohm,
 omni-directional, ¼ wavelength,
 dipole configuration, VSWR <2.0
 Standards Wireless 802.11b, 802.11g
 Static IP provisioning
 or DHCP STUN client (NAT traversal)
 Frequency Europe 2.412–2.472 GHz
 USA 2.412–2.462 GHz

Mechanical

Physical Dimensions 13.00 H x 9.25 W x 4.00 D inches;
 (330 x 235 x 102 mm)
 Enclosure material High-impact,
 glass-reinforced polyester
 Connections of conduit Four drill spots for
 location of conduit
 Mounting Surface-mounting:
 four 0.28-inch mounting holes
 Color Gray
 Shipping Weights:
 Model 10370-701 6.0 lbs. (2.72 kg)
 Model 10370-702 6.1 lbs. (2.77 kg)
 Model 10370-801 6.5 lbs. (2.95 kg)
 Model 10370-802 6.6 lbs. (2.99 kg)

Environmental

Temperature range -4° F to +167° F (-20° C to +75° C)
 Weatherproof rating Rainproof (3R)
 Humidity Up to 95%, non-condensing

APPROVALS

USA FCC Modular Approval,
 FCC ID: FCC ID: XM5-SM2144N1
 CFR Title 47 FCC Part 15, Subpart B and C
 Canada Industry Canada Module Approval IC:
 8516A-SM2144N2 Industry Canada ICES-003,
 RSS-Gen, RSS-210

Ordering Information

Model No.	DESCRIPTION:
10370-701	VoIP Speaker Amplifier Assembly with 8-Ohm Output
10370-702	VoIP Speaker Amplifier Assembly with 70.7 V and 100 V Audio Output
10370-801	WiFi Speaker Amplifier Assembly with 8-Ohm Output
10370-802	WiFi Speaker Amplifier Assembly with 70.7 V and 100 V Audio Output



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