

VoIP Handset Rugged Telephone - Keypad

Models: 226-700, 246-700, 256-700 and 276-700



GAI-TRONICS®

Features

- **Embedded Browser (No Additional Interface required) for Web Page Configuration**
- **Power Over Ethernet or Alternative 48 V dc Supply**
- **SIP Compatible**
- **RJ45 LAN or WAN Direct Connection**
- **Four Contact Inputs and Two Relay Outputs**
- **Real-time Email Fault Reporting**
- **Anti-corrosive Enclosures**
- **Surface or Flush Mount Models**
- **Full Keypad**
- **Hearing Aid Compatible**
- **Non-moveable Hookswitch**
- **Indoor and Weatherproof Models**
- **Noise-cancelling Microphone**
- **Volume Control Pushbutton**
- **Weather-resistant (Type 3R designs)**
- **Compatible with TMA (Telephone Management Application) Software**



Model 246-700
Indoor VoIP Telephone



Model 256-700
Outdoor VoIP
Telephone



Model 276-700
Flush Panel
VoIP Telephone



Model 226-700
VoIP Tough Phone



GAI-Tronics' SIP compatible VoIP Surface-mount Handset Telephones are designed to provide direct point-to-point communication between personnel throughout a facility over an existing Internet Protocol LAN. The VoIP telephones are intended for connection to a 10/100 BaseT Ethernet SIP network and operate using power-over-Ethernet or an alternative power source.

The VoIP telephone features real-time alarm reporting that enables system supervisors to monitor the phone's activity and address callers' needs or maintenance issues immediately. GAI-Tronics' Handset VoIP Telephones' features make them ideal for use in any application requiring point-to-point communications or telephone system access.

Typical installation locations include:

- **Power Plants and Nuclear Facilities**
- **Factories / Mills / Industrial Plants**
- **Amusement / Water Parks**
- **Public Access Applications**

Embedded web pages held within the VoIP Handset Telephone can be accessed over a network using a browser such as (Internet Explorer®) to view, monitor, and change settings within the unit. GAI-Tronics' Hands-free Telephones are housed within corrosion-resistant enclosures and are designed to provide high levels of unit integrity, delivering a robust solution for virtually any IP communication application.

In addition to each unit's real-time email reporting capability, all telephones can be monitored via a central PC utilizing our TMA (Telephone Management Application) software. TMA will systematically poll each telephone on a pre-programmed schedule (daily, weekly, etc.) and provide a single report with a variety of available information pertaining to call activity and fault reporting of the following:

- **Configuration error**
- **Cold reset (caused by power failure)**
- **Warm reset (caused by internal command or error)**
- **Keypad error / stuck buttons**
- **Microphone / Speaker circuit fault**
- **Handset off-hook (if so equipped)**
- **Register fail**

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Specifications

Power

Network Power Power-over-Ethernet,
802.3af compliant (via RJ45)

Local Power Requirements 24 to 48 V dc, 6 W

Network: 10/100 BaseT Ethernet RJ45, Cat5 or Cat5e UTP
Static IP provisioning or DHCP STUN client (NAT traversal)

Call Control Signaling SIP (RFC3261 compliant)
Loose routing

Inputs

Keypad 3 x 4 matrix

Configurable Inputs 4

Outputs

Output 1 8 A @ 30 V ac/dc (resistive load)

Output 2 5 A @ 30 V ac/dc (resistive load)

Controls

External Push-button volume control

Internal Mic bias, reset switch, handset enable

Indicators

Internal Power, Heartbeat, & EACT L.E.D.'s

Configuration Embedded web server

Monitoring and Reporting Real-time over TCP/IP
proprietary Syslog application or email

Mechanical

Temperature range:

Operating -4°F to +140°F (-20°C to +60°C)

Storage -40°C to +70°C

Relative Humidity Up to 95%, non-condensing
PCBA (printed circuit board assembly): Conformal coated

Model 226-700

Construction:

Enclosure Thick-walled cast aluminum with
epoxy gray paint

Panel 0.125-inch brushed aluminum

Handset/Cord G-style with 19-inch armored cord
and internal lanyard

Braille dial pad Chrome-plated zinc

Dimensions 13.50 H x 9.70 W x 6.15 D inches

Mounting Eight 0.39-inch diameter holes

Weight 14.5 lbs. (6.58 kg)

Model 246-700

Construction Non-metallic

Handset/Cord 6-foot Hytrel® cord with
noise-canceling mic

Braille dial pad Chrome-plated zinc

Dimensions 9.50 H x 8.00 W x 6.90 D inches

Mounting Four 0.28-inch diameter holes

Weight 4.8 lbs. (2.18 kg)

Model 256-700

Construction Non-metallic

Handset/Cord 6-foot Hytrel® cord with
noise-canceling mic

Braille dial pad Chrome-plated zinc

Dimensions 13.20 H x 9.40 W x 7.40 D inches

Mounting Four 0.28-inch diameter holes

Weight 10.0 lbs. (4.54 kg)

Model 276-700

Construction:

Front Panel 14-gauge (0.075 inch)
type 304 brushed stainless steel

Back Box 16-gauge (0.060) cold-rolled steel
with black polyurethane finish

Handset/Cord G-style with 29-inch armored cord
and internal lanyard

Braille dial pad Chrome-plated zinc

Dimensions:

Front Panel 12.00 H x 10.00 W inches

Back Box 10.06 H x 8.43 W x 2.44 D inches

Back Box (depth from mounting surfaces): 2.38 inches

Panel Cutout 10.06 H x 8.43 W inches

Weight 7.0 lbs. (3.18 kg)

Approval Standards

Compliance to Standards FCC CRF 47 Part 15
Safety of Information Technology

Equipment UL/CSA 60950

Enclosures for Electrical Equipment Type 3R

Available Models

| Part # | Description |
|-----------|--|
| 226-700 | Rugged Handset VoIP Tough Phone; Surface-mount; Weatherproof Type 3R; Gray Sand-cast Aluminum Enclosure; 15-inch Armored Handset Cord, Volume Control Pushbutton |
| 246-700 | Indoor Handset VoIP Telephone; Surface-mount; Gray Non-Metallic Enclosure; 6-foot Extended, Hytrel® Handset Coiled Cord, Volume Control Pushbutton |
| 256-700 | Weatherproof Handset VoIP Telephone; Surface-mount; Gray Non-Metallic Enclosure; 6-foot Extended, Hytrel® Handset Coiled Cord; Volume Control Pushbutton |
| 276-700 | Flush-mount Handset VoIP Telephone, Weatherproof Type 3R; Brushed Stainless Steel Front Panel, 29-inch Armored Handset Cord, Volume Control Pushbutton |
| 12509-044 | TMA (Telephone Management Application) Package - VoIP |



USA Toll Free: 1 (800) 492-1212 Tel: (610) 777-1374 Fax: (610) 796-5954 www.gai-tronics.com
UK Tel: +44 (0)1283 500500 Fax: +44 (0)1283 500400 www.gai-tronics.co.uk
Italy Tel: +39 02 48601460 Fax: +39 02 93663110 www.gai-tronics.it
Malaysia Tel: +60-3-8945-4035 / 8945-7348 Fax: +60-3-8945-4675 www.gai-tronics.com
Australia Tel: 011-61-28-851-5000 Fax: 011-61-29-899-2490 www.austdac.com.au



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