VoIP Handset Rugged Telephone - Keypad
Models: 226-700, 246-700, 256-700 and 276-700

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

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 Telephone Management Application (TMA) 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)

**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.
- 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:
  - G-style with 29-inch armored cord and internal lanyard
  - Braille dial pad: Chrome-plated zinc
- Dimensions: 12.00 H x 10.00 W inches
- Mounting: Eight 0.39-inch diameter holes
- Weight: 7.0 lbs. (3.18 kg)

### Approval Standards
- Compliance to Standards: FCC CRF 47 Part 15 Safety of Information Technology Equipment
- Enclosures for Electrical Equipment: UL/CSA 60950

### Available Models

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