

# 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**



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 **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) 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	Telephone Management Application (TMA) Package - VoIP



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