

# VoIP Handset Rugged Telephone - Auto-dial

Models: 227-700, 247-700, 257-700 and 277-700



## Features

- **Embedded Browser (No Additional Interface required) for Web Page Configuration**
- **Power Over Ethernet or Alternative 24 - 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**
- **Auto-dial Operation**
- **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 247-700  
Indoor VoIP Telephone**



**Model 257-700  
Outdoor VoIP  
Telephone**



**Model 277-700  
Flush Panel  
VoIP Telephone**



**Model 227-700  
VoIP Tough Phone**



GAI-TRONICS' SIP compatible VoIP Handset Auto-dial Telephones are designed to provide direct point-to-point communication between personnel throughout a facility over an existing Internet Protocol LAN. The telephones are programmed to automatically dial when the handset is taken off-hook (number/address programming via imbedded web browser). 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.

Each 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 Auto-dial Telephones' features make them ideal for use in any application requiring point-to-point, auto-dial 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**

# VoIP Handset Rugged Telephone - Auto-dial

Models: 227-700, 247-700, 257-700 and 277-700



## 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

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 LED'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 227-700

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 × 9.70 W × 6.15 D inches

Mounting ..... Eight 0.39-inch diameter holes

Weight ..... 14.5 lbs. (6.58 kg)

### Model 247-700

Construction ..... Non-metallic

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

Braille dial pad ..... Chrome-plated zinc

Dimensions ..... 9.50 H × 8.00 W × 6.90 D inches

Mounting ..... Four 0.28-inch diameter holes

Weight ..... 4.8 lbs. (2.18 kg)

### Model 257-700

Construction ..... Non-metallic  
Handset/Cord ..... 6-foot Hytrel® cord with noise-canceling mic

Braille dial pad ..... Chrome-plated zinc

Dimensions ..... 13.20 H × 9.40 W × 7.40 D inches

Mounting ..... Four 0.28-inch diameter holes

Weight ..... 10.0 lbs. (4.54 kg)

### Model 277-700

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 × 10.00 W inches

Back Box ..... 10.06 H × 8.43 W × 2.44 D inches

Back Box (depth from mounting surfaces): 2.38 inches

Panel Cutout ..... 10.06 H × 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
227-700	Rugged Handset VoIP Auto-dial Tough Phone; Surface-mount; Weatherproof Type 3R; Gray Sand-cast Aluminum Enclosure; 15-inch Armored Handset Cord, Volume Control Pushbutton
247-700	Indoor Handset VoIP Auto-dial Telephone; Surface-mount; Gray Non-Metallic Enclosure; 6-foot Extended, Hytrel® Handset Coiled Cord, Volume Control Pushbutton
257-700	Weatherproof Handset VoIP Auto-dial Telephone; Surface-mount; Gray Non-Metallic Enclosure; 6-foot Extended, Hytrel® Handset Coiled Cord; Volume Control Pushbutton
277-700	Flush-mount Handset VoIP Auto-dial 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



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.com  
 Asia Tel: +(65) 6282 2242 (Press 4 for GAI-TRONICS) www.gai-tronics.com  
 Australia Tel: 011-61-28-851-5000 Fax: 011-61-29-899-2490 www.austdac.com.au



Quality Management System Certified by DNV-GL - ISO 9001:2015. The policy of GAI-TRONICS is one of continuous improvement; therefore the company reserves the right to change specifications without notice.

