VoIP Handset Rugged Telephone - Keypad

Models: 226-710, 246-710, 256-710 and 276-710

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 246-710
Indoor VoIP Telephone

Model 256-710
Outdoor VoIP
Telephone

Model 276-710
Flush Panel
VoIP Telephone

Model 226-710
VoIP Tough Phone

cisco™ Compatible

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 × 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 +131°F (-20°C to +55°C)
Storage ..... -40°C to +70°C
Relative Humidity ..... Up to 95%, non-condensing
PCBA (printed circuit board assembly): Conformal coated

Model 226-710

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 246-710

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 256-710

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 276-710

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
226-710	Rugged Handset VoIP Tough Phone; Surface-mount; Weatherproof Type 3R; Gray Sand-cast Aluminum Enclosure; 15-inch Armored Handset Cord, Volume Control Pushbutton
246-710	Indoor Handset VoIP Telephone; Surface-mount; Gray Non-Metallic Enclosure; 6-foot Extended, Hytrel® Handset Coiled Cord, Volume Control Pushbutton
256-710	Weatherproof Handset VoIP Telephone; Surface-mount; Gray Non-Metallic Enclosure; 6-foot Extended, Hytrel® Handset Coiled Cord; Volume Control Pushbutton
276-710	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

Toll Free: 1 (800) 492-1212 | Tel: (610) 777-1374 | www.gai-tronics.com

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