

Rugged Telephones



Harsh &
Hazardous



GAI-TRONICS®
A Hubbell Company

GAI-Tronics, a Hubbell Company, has been the leading manufacturer in the rugged communications industry for over 65 years. Oil rigs, power plants, nuclear and chemical facilities, paper mills, amusement and water parks, and even hotels all over the world have relied on our communication products to increase the productivity and safety of their personnel and the general public. To this end, GAI-Tronics is committed to providing the highest quality products and services at competitive prices. With this commitment, we are pleased to present our line of rugged, industrial-grade telephones.

GAI-Tronics Rugged Telephone products are designed for use in rugged and harsh environments, with some models specifically intended for use in hazardous areas. Their rugged packaging, combined with operational reliability, offers a premier solution for nearly any communication application. Rugged cast aluminum enclosures for use in abusive areas, non-metallic or stainless steel for use in corrosive atmospheres, and conformal electronics coating for use in high humidity applications are standard across the line. Each telephone includes a non-moveable cradle, a vandal-resistant handset with hearing aid compatible receiver, a noise-cancelling microphone, and either a Hytre[®] (heavy-duty, memory retaining) coiled cord or armored cord. Models are available in standard analog, SMART analog, or VoIP formats.

Standard Analog Telephones

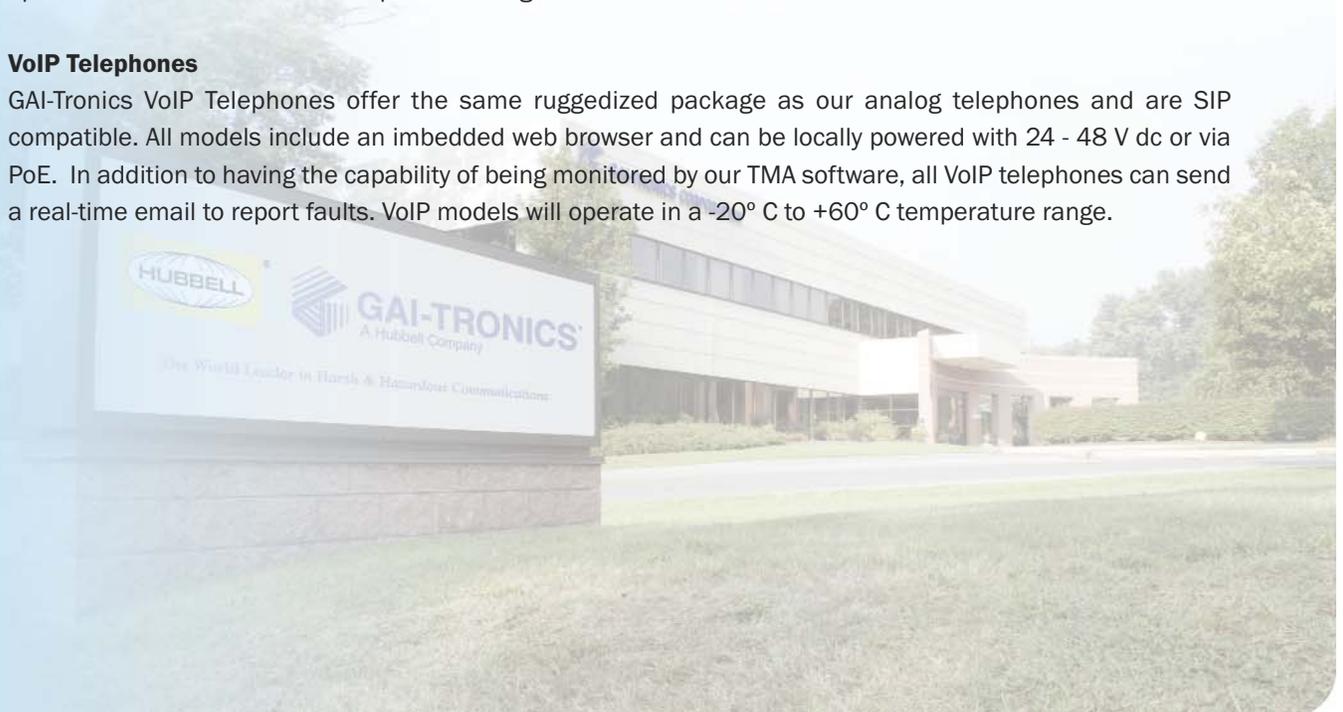
Commonly known as POTS (Plain Old Telephone System) telephones, GAI-Tronics standard analog telephones offer a highly reliable and rugged solution for use on a Central Office (C.O.) line to the Public Switched Telephone Network (PSTN) or a station port of a Private Branch Exchange (PBX), Private Automatic Branch Exchange (PABX), or Key Service Unit (KSU). All models are line powered and will operate in a -40° C to +60° C temperature range.

SMART Analog Telephones

SMART (Self-Monitoring And Reporting Technology) Telephones are also line powered and operate on the same networks as our standard analog telephones. SMART telephones include the ability to be monitored via software installed at a central PC location. GAI-Tronics TMA (Telephone Management Application) software will poll each telephone to obtain health and usage status. This is a valuable maintenance tool in larger systems as a report is generated on a scheduled basis to notify maintenance personnel of stuck buttons, handset integrity, line integrity, and microprocessor health. SMART Telephones also include configurable auto-dial numbers, call termination methods, maximum call duration, and answering options. SMART models will operate in a -20° C to +60° C temperature range.

VoIP Telephones

GAI-Tronics VoIP Telephones offer the same ruggedized package as our analog telephones and are SIP compatible. All models include an imbedded web browser and can be locally powered with 24 - 48 V dc or via PoE. In addition to having the capability of being monitored by our TMA software, all VoIP telephones can send a real-time email to report faults. VoIP models will operate in a -20° C to +60° C temperature range.



Rugged Telephones

226 and 227 Series (NEMA 3R)



Rugged Telephones – Tough Phone

The Tough Phone series was developed for public and rugged areas requiring a virtually indestructible telephone. Housed in a 1/4-inch thick, sand-cast aluminum, weatherproof enclosure and coated with an exterior polyurethane finish, our Tough Phones fit the bill. Standard features include a spring return door, 15-inch lanyard armored cord, proximity metallic non-moveable hook-switch and tamper resistant hardware. SMART models include the ability to be centrally monitored for failures via our TMA software. VoIP Telephones are SIP compatible and are suitable for use with Cisco UCM (CallManager) Version 5.0 or newer.

Analog Models

- 226-001** Analog Keypad Tough Phone
- 226-005** SMART Keypad Tough Phone
- 227-001** Analog Auto-dial Tough Phone
- 227-005** SMART Auto-dial Tough Phone

Options

- LD** Keylock Door
- H6** 6 Ft. (extended) Hytrel® Cord Option

VoIP Model

- 226-700** VoIP Tough Phone with Keypad

24x Series (NEMA 3R)



Rugged Telephones – Indoor

This indoor series telephone is constructed of a high-impact, non-metallic enclosure with an industrial strength, six-foot (extended) Hytrel® handset cord. SMART models include the ability to be centrally monitored for failures via our TMA software. VoIP Telephones are SIP compatible and are suitable for use with Cisco UCM (CallManager) Version 5.0 or newer.

Analog Models

- 246-001** Analog Keypad Indoor Telephone
- 246-005** SMART Keypad Indoor Telephone
- 247-001** Analog Auto-dial Indoor Telephone
- 247-005** SMART Auto-dial Indoor Telephone

Options

- AC** 15" Armored Handset Cord
- A2** 29" Armored Handset Cord
- H1** 15 Ft. (extended) Hytrel® Cord Option
- H2** 25 Ft. (extended) Hytrel® Cord Option

VoIP Model

- 246-700** VoIP Indoor Telephone with Keypad

25x Series (NEMA 3R)



Rugged Telephones – Outdoor

This outdoor series telephone includes a latching door and is constructed of a high-impact, non-metallic enclosure with an industrial strength, six-foot (extended) Hytrel® handset cord. SMART models include the ability to be centrally monitored for failures via our TMA software. VoIP Telephones are SIP compatible and are suitable for use with Cisco UCM (CallManager) Version 5.0 or newer.

Analog Models

- 256-001** Analog Keypad Outdoor Telephone
- 256-005** SMART Keypad Outdoor Telephone
- 257-001** Analog Auto-dial Outdoor Telephone
- 257-005** SMART Auto-dial Outdoor Telephone

Options

- SK** Spring Door Kit
- LD** Keylock Door
- AC** 15" Armored Handset Cord
- A2** 29" Armored Handset Cord

VoIP Model

- 256-700** VoIP Outdoor Telephone with Keypad

Rugged Telephones

270 Series (NEMA 3R)



Standard Rugged Telephones – Flush-mount

The 276 series telephone is designed to flush or surface mount (using 236 series enclosure). This unit has a brushed stainless steel faceplate with a metallic non-moveable hookswitch. Standard equipment also includes a 29-inch lanyard armored cord and tamper resistant hardware. SMART models include the ability to be centrally monitored for failures via our TMA software. VoIP Telephones are SIP compatible and are suitable for use with Cisco UCM (CallManager) Version 5.0 or newer.

Analog Models

- 276-001** Analog Keypad Flush-mount Telephone
- 276-005** SMART Keypad Flush-mount Telephone
- 277-001** Analog Auto-dial Flush-mount Telephone
- 277-005** SMART Auto-dial Flush-mount Telephone

Options

- H1** 15 Ft. (extended) Hytrel® Cord Option
- H2** 25 Ft. (extended) Hytrel® Cord Option

VoIP Model

- 276-700** VoIP Flush-mount Telephone with Keypad

210-001



Corridor Telephone

The corridor telephone offers standard line-powered telephone operation in a rugged, stainless steel package. Its volume-control handset includes a 29-inch, swivel armored cord and the microphone and earpiece are non-accessible. The 210-001 projects less than 4-inches from the mounting surface making it ADA-compliant for corridor installation.

Model

- 210-001** Analog Corridor Telephone

295 Series Clean Phone®



Clean Room Telephones

The Clean Phone® unit's hands-free operation is ideal for clean room or sterile environments. The visual graphics are printed on the reverse side of the overlay to prevent particulate shedding and to ensure longevity. All Clean Phone models are compatible with GAI-Tronics' Telephone Management Application (TMA) Software. SMART models include the ability to be centrally monitored for failures via our TMA software. VoIP Telephones are SIP compatible and are suitable for use with Cisco UCM (CallManager) Version 5.0 or newer.

Analog Models

- 295-001F** Clean Phone®, Flush-mount
- 295-001W** Clean Phone®, Wall-mount

VoIP Models

- 295-702F** VoIP Clean Phone®, Flush-mount
- 295-702W** VoIP Clean Phone®, Wall-mount

Rugged Telephones and Enclosures

354-001 Series (NEMA 4X)



Rugged Telephone – NEMA 4X

GAI-Tronics Model 354-001 series NEMA 4X Analog Rugged Telephones are designed for use in extreme weather conditions where temperature and moisture are a concern. They are also ideal for use in areas that require a direct water spray (hose-down) for cleaning purposes or where a non-corrosive material is required.

Models

- 354-001** NEMA 4X Rugged Telephone, Gray
- 354-001YL** NEMA 4X Rugged Telephone, Yellow
- 354-001OR** NEMA 4X Rugged Telephone, Orange
- 354-001RD** NEMA 4X Rugged Telephone, Red

Options

- LD** Keylock Door
- SK** Spring Door Kit
- H1** 15" Armored Handset Cord
- AC** 29" Armored Handset Cord



354-001YL



354-001OR



354-001RD

Enclosures 255-003 Series (NEMA 4X)



255-003

Rugged Telephone Enclosure

GAI-Tronics offers a full line of Rugged Telephone Enclosure to protect telecommunications equipment in very harsh environments. These durable non-metallic enclosures are resistant to weather and corrosive chemicals.

Models

- 255-003** Enclosure with Modular Telephone Jack, Gray
- 255-003YL** Enclosure with Modular Telephone Jack, Yellow
- 255-003OR** Enclosure with Modular Telephone Jack, Orange
- 255-003RD** Enclosure with Modular Telephone Jack, Red

Options

- SK** Spring Door Return
- LD** Keylock Door
- HP** Hasp Lock Hardware



255-003YL



255-003OR



255-003RD

Hazardous Areas Telephones - Division 2

Class I, Groups A, B, C, D;
Class II, Groups F & G; Class III

226-002 (NEMA 3R)



Division 2 Telephones – Tough Phone

The Div. 2 Tough Phone is designed for use in a Div. 2 hazardous area requiring a virtually indestructible telephone. Housed in a 1/4-inch thick, sand-cast aluminum, weatherproof enclosure and coated with an exterior polyurethane finish, our Tough Phones fit the bill. Standard features include a spring return door, 15-inch lanyard armored cord, proximity metallic non-moveable hook-switch and tamper resistant hardware; designed for operation within a temperature range of -40° C (-40° F) to +60° C (140° F).

Model

226-002 Division 2 Tough Phone

Options

- LD** Keylock Door
- H6** 6 Ft. (extended) Hytrel® Cord Option

341-001



Division 2 Telephones – Indoor

The Div. 2 indoor telephone is constructed of a high-impact non-metallic enclosure with industrial strength, six-foot (extended) Hytrel® handset cord; designed for operation within a temperature range of -40° C (-40° F) to +60° C (140° F).

Model

341-001 Division 2 Indoor Telephone

Options

- AC** 15" Armored Handset Cord
- A2** 29" Armored Handset Cord
- H1** 15 Ft. (extended) Hytrel® Cord Option
- H2** 25 Ft. (extended) Hytrel® Cord Option

351-001 (NEMA 3R)



Division 2 Telephone – Outdoor

The Div. 2 outdoor telephone is constructed of high-impact, non-metallic enclosure that is rated NEMA 3R weatherproof. Standard features also include a latching door and handset with industrial strength, 6-foot (extended) handset cord; designed for operation within a temperature range of -40° C (-40° F) to +60° C (140° F).

Model

351-001 Division 2 Outdoor Telephone

Options

- LD** Keylock Door
- SK** Spring Door Kit
- AC** 15" Armored Handset Cord
- A2** 29" Armored Handset Cord
- H1** 15 Ft. (extended) Hytrel® Cord Option

Hazardous Area Telephones - Division 1

Class I, Groups B, C & D;
Class II, Groups F & G; Class III

352 Series (NEMA 4X)



UL / cUL Class I Division 1 Telephones

GAI-Tronics 352, the world's first UL Class I Division 1 VoIP telephone, is also available in standard analog or SMART configurations. All models are UL approved to Class I Division 1 Groups B, C, & D, Class II Groups F & G and Class III, Type 4X, and ABS Type Approved. SMART models include the ability to be centrally monitored for failures via our TMA software. VoIP Telephones are SIP compatible and are suitable for use with Cisco UCM (CallManager) Version 5.0 or newer.

Analog Models

- 352-001** Analog Handset
- 352-101** SMART Handset
- 352-002** Analog with ring relay
- 352-102** SMART with ring relay
- 352-103** Analog with Headset

VoIP Model

- 352-701** VoIP Handset

272-001 Outdoor Telephone (NEMA 4X)



UL / cUL Class I Division 1 Telephones – Intrinsically-Safe

Intrinsically-Safe Telephones are for use in chemical plants, refineries, grain elevators and any other environment where volatile gases and dust are a major consideration. Housed in durable non-metallic enclosure for indoor or outdoor applications, GAI-Tronics Intrinsically-Safe Telephones are the safest and most economical communication solution in hazardous environments.

Models

- 261-001** Indoor Intrinsically Safe Telephone and Isolation Barrier Unit
- 271-001** Outdoor Intrinsically Safe Telephone and Isolation Barrier Unit

Rack Barrier Components (optional)

Systems with multiple I.S. telephones may be designed for central location of the Isolation Barrier circuitry utilizing rack barrier components. Please note that a card rack cage will accommodate up to 10 line cards. One line card is required for each telephone.

262-001 Indoor Telephone



263-001 Isolation Barrier Unit

- 265-001** Line Card
- 266-001** Power Supply
- 267-001** Card Cage
- 268-001** Patch Panels

Accessories



238-001

Stainless Steel Surface-mount Enclosure

Provides surface-mounting for the 270 Series and Flush-mount Telephones

Model

238-001 Stainless Steel Wall-Mount Enclosure

Strobes



540-001

Model

540-001 Constant-on/Flash LED Strobe; Weatherproof Rated, UL/cUL Listed, 240 fpm

- Rated LED Life: up to 10,000 hours
- 7.00"H x 6.50"W
- 120 V ac



531A

Model

531A 24 V dc Strobe; NEMA 3R Weatherproof Rating, UL/cUL Listed

Notes:

- Can be used with standard analog telephones when "off-hook" notification is required
- Can be used with SMART and VoIP telephones for a variety of programmable uses.

Mounting Kits and Tools



Models

230-001 Pole Mounting Kit for 256/257 Series, 351-001, and 272-001 Surface-mount Telephones

231-001 Pole Mounting Kit for 246/247 Series, 341-001, and 262-001 Surface-mount Enclosures and Telephones

232-001 Pole Mounting Kit for 226/227 Series Surface-mount Telephones

233-001 Tamperproof Screwdriver (required for some installations)

Accessories



Model 234WM-202

Elite Wall-mount Communication Station - Model 234WM-202

Accommodates 270 Series Flush-mount Telephones and the 540-001 Strobe

Features

- UL/cUL Listed for Indoor Installations
- Bright Safety Yellow, Powder Coat Epoxy Finish
- Custom Colors and Graphics Available
- Emergency Graphics - Standard
- ADA Compliant (telephone mounting height)
- 10 W x 9.5 D x 40.5 H (inches), 1/8-inch Aluminum Construction
- Approximate Shipping Weight 50 lbs.
- Includes Panel Light and Protective Safety Glass (Strobe Protection)
- Power Rating
 - LED Phone Panel Light; 0.2 amps @ 120 V ac
 - LED Strobe; 0.39 amp@ 120 V ac

Enclosures



236 Series

Surface-mount Enclosures with Hood

Provides surface-mounting for the 270 Series and Flush-mount Telephones

Models

- 236-001YL** Yellow
- 236-001BK** Black
- 236-001RD** Red

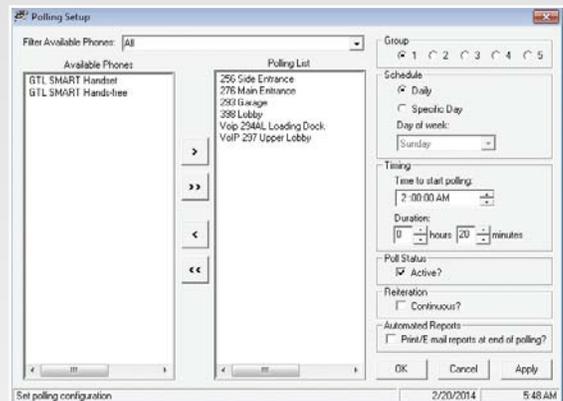
Telephone Management Application (TMA)

TMA is a maintenance data-collection and reporting tool that allows users to view and report the health of SMART telephones. The software application is compatible with Windows XP®, Windows 7®, and Windows 8® and is intended for use on a dedicated PC. The Graphical User Interface provides a visual indication of each telephone's status and activity. TMA can be programmed to provide an audible alert or send an email if a fault condition exists. Many features of TMA are completely user-configurable to provide maximum flexibility.



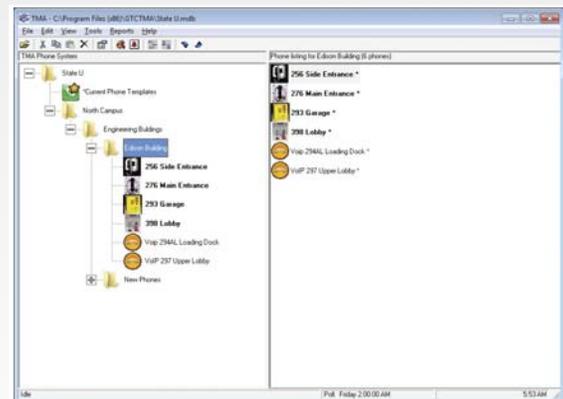
TMA is capable of monitoring both analog, VoIP, and our Commander 3G GSM telephones in the same system. In an Analog telephone system, TMA will support up to eight (8) line inputs, allowing eight different telephones to be polled simultaneously. This is important in larger systems as data collection may take as much as 90 seconds per telephone to complete. A transceiver is required for each telephone line input. One transceiver is included in both the basic TMA package and the expansion kit. No transceiver is required for VoIP systems. VoIP telephones are not monitored simultaneously but the speed at which data is collected is 20 seconds per telephone, approximately four (4) times faster than an analog system (similar to an analog system with four transceivers installed). The Commander 3G Telephone will transmit status information via SMS format (text).

Initial programming of unit-specific data is easily accomplished and just as easy to make changes, additions, and deletions. The screenshot (pictured at right) identifies the programming screen where the desired polling functions are set-up.



TMA is designed to monitor individual analog telephones, each on a dedicated analog telephone line. This allows the polling process to take place, with each telephone automatically answering when accessed for data retrieval. If two telephones are required to share a single analog line, each unit will be required to "call in" rather than being polled (programmable). Successfully sharing a line depends on the quality of the line. Insufficient line current with more than one telephone going off hook simultaneously can cause a call to be dropped completely. This is obviously not an issue with VoIP telephones since they all share the same Ethernet backbone.

The screenshot to the right provides a visual indication of the system "tree", listing all components as a specific icon with their associated location. Various reports, such as a Basic Summary Report (directly above the system tree screenshot), are available to provide status and history information as required by the operation. In addition to telephone health information, TMA can provide call activity reports that can prove useful when investigating occurrences.



Ordering Information:

- | | |
|------------------|---|
| Model No. | Description: |
| 12509-042 | TMA Package (includes transceiver, security key, interface cables, and software flash drive); supports both analog and VoIP telephones |
| 12509-043 | TMA Expansion Kit (includes transceiver, interface cables, and software flash drive); required for adding an additional analog telephone line |
| 12509-044 | TMA for VoIP only (includes security key and software flash drive) |
| 12509-047 | TMA for Commander 3G GSM Telephones (includes security key, modem and software flash drive) |

Custom Products and Services

Custom Products

GAI-Tronics takes great pride in its ability to meet the functional communication needs and desires of our customers. A large portion of our business relates to custom products designed outside of our normal product parameters. This could be as simple as a custom logo, labeling, or color to as complex as a one-off telephone designed to meet a customer specification.

Telephones

GAI-Tronics' Telephones can be custom-produced for non-standard functionality or interfaced to peripheral circuitry. Examples include:

- Embedded CCTV Camera
- Custom Replacement / Retrofit
- Custom Packaging

Please contact the factory at 1-800-492-1212, prompt no. 1, or customerservice@gai-tronics.com for additional information about our custom product capabilities or to discuss your particular application.

Services

Selecting SMART Industrial Telephones or VoIP Industrial Telephones is obviously a smart choice. To make this choice even smarter, consider allowing GAI-Tronics to remotely program, monitor, and/or maintain your TMA software application. In addition to providing normal business hour telephone support at no charge, the following additional charge services are available:

Remote Programming Service (SMART Telephones Only) – Factory technicians remotely perform all the programming requirements to set up your SMART telephones. A CD copy of the newly created TMA database will be provided upon completion of the programming, for installation on the local Personal Computer.

Remote Monitor – The TMA system is remotely monitored by GAI-Tronics to provide reporting of failed units, monthly maintenance activity, and call log activity. Customer will provide replacement telephones from local inventory and labor.

Remote Monitor with Advance Replacement – In addition to the Monitor Service, GAI-Tronics will stock necessary replacement inventory and ship pre-programmed replacement units for next business day delivery.

Remote Monitor with On-Site Maintenance Replacement – This is the highest level of service offered. In addition to the Monitor Service, any reported failure will be made operational by the end of the next business day. A trained, fully-authorized technician will perform these tasks on-site.

Emergency help line support available with all service programs at an additional charge – 24 hours per day, 365 days a year.

Please contact our Service Department at 1-800-492-1212, prompt no. 2, or service@gai-tronics.com for additional information.

Contact your sales representative or call our toll-free sales hotline for further information at 1-800-492-1212.

Visit our Web site at www.gai-tronics.com

Quality Management System Certified by DNV - ISO 9001:2008



GAI-TRONICS®



The policy of GAI-Tronics is one of continuous improvement, therefore the company reserves the right to change specifications without notice.



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