Features

- **Weather-resistant (Type 3R) Flush-mount Design**
- **Native WLAN IEEE 802.11 b/g**
- **Web Page Configuration**
- **Real-time Alarm Reporting via Email or Syslog**
- **24-48 V dc External Power Input Required (120/240 Vac – 24 V dc Plug-in Supply Provided)**
- **SIP Compatible (RFC 3261)**
- **Automatic Call Divert via Memory List**
- **Four Auxiliary Inputs and Two Volt-free Outputs Per Telephone**
- **Auto-answer Capability**
- **Rugged Stainless Steel Weatherproof Panel, Type 3R**
- **ADA Compliance Features: Braille "HELP" Label and "Call Received" LED Indicator**
- **Compatible with TMA (Telephone Management Application Software**

GAI-Tronics' RED ALERT® Hands-free WiFi VoIP Flush-mount Telephones are designed to provide direct point-to-point communications between personnel over an existing wireless local area network (WLAN), meeting IEEE 802.11 b/g standards. These telephones will operate from an external dc power source which is the only wiring required for operation.

In addition to providing standard telephone operation, RED ALERT® WiFi VoIP Telephones feature real-time alarm reporting that enables system supervisors to monitor the telephones' activity and address caller needs or maintenance issues immediately. Also, four user-configurable inputs and two outputs (ideal for strobe activation) have been provided for customer use.

RED ALERT® Hands-free WiFi VoIP Telephones' features make them ideal for use in any point-to-point communications application where an existing WLAN can be used for connection to a local VoIP PBX or server.

Typical installation locations can include:
- **College Campuses**
- **Parking Garages / Parking Lots**
- **Sports Arenas**
- **Business / Industrial Parks**
- **Parks and Walk Paths**
- **Factories**

Embedded web pages held within the WiFi VoIP Telephone can be accessed over the network using a browser, such as Internet Explorer®, to view, monitor, set-up, and change settings within each unit.

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**

GAI-Tronics' RED ALERT® Hands-free WiFi VoIP Flush-mount Telephones' rugged, stainless steel construction delivers a robust and weather-resistant solution for virtually any IP communication application. The flush-mount design will install into any recessed application (elevators, walls, etc.) or perfectly into GAI-Tronics' 234 series stanchions or 236/238 series surface-mount enclosures.

Specifications

Electrical

Power . . . . 24–48 V dc
Power Consumption. . . . . 6 watts, max.
Antenna Connector (antenna included) . . . . RP-SMA female connector
(mates with a RP-SMA male connector)
Network. . . . . IEEE 802.11b/g; Static IP provisioning or DHCP STUN client
Call Control Signaling. . . . . SIP (RFC3261 compliant)
Transmit Output Power . . . . .14 dBm + 11.5 dBm/ - 1.0 dBm
Maximum Receive Level . . . . -10 dBm (with PER < 8%)
Frequency. . . . . 2.412 – 2.484 GHz (up to 14 channels)
Range . . . . . . .Tested for compliance with 802.11g standard
Microphone . . . . Electret

Inputs

Keypad (as applicable) . . . . 3x4 matrix
Push buttons (as applicable) . . . . Call, Emergency Auto-dial
Configurable inputs 4

Outputs

Programmable Output (2) Contact Rating . . . . . . 8 A @ 30 V ac/dc (resistive load)

Controls

External (as applicable) . . . . . . .Keypad, push-button inputs
Internal . . . . Speaker volume, mic bias, reset switch

Indicators

External . . . . Call received LED
Internal . . . . Power, Heartbeat & EACT LEDs
Audio output . . .90 dB SPL or greater @ 0.5 meters (@1KHz)
Codecs and audio . . . . G.711 A-Law, G.711µ-Law, G.722, G.729, G.723.1 MP-MLQ, G.723.1 ACELP
Configuration . . . . Embedded web server
Configuration file download
Direct serial connection
Password Protection
Call Diversion . . . . . . Configurable call list Numbers or URIs (max 20 entries) with comfort tones, diverts to next in list if the call fails
Monitoring & reporting . . . Real-time monitoring/reporting via Email or proprietary Syslog application; polled monitoring and reporting via TMA software application

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 Construction (All Models)
Panel . . . . 14-gauge, type 304 brushed stainless steel
Back box . . . . 16-gauge cold-rolled steel with black polyurethane finish
Braille Keypad (Model 398 series only). . Chrome-plated zinc

Dimensions (All Models)
Panel . . . . 12.00 H x 10.00 W inches (304.8 x 254.0 mm)
Back box depth . . . . 3.0 inches (76.2 mm)
Panel Cutout . . . . 10.10 H x 8.44 W inches (255.6 x 214.1 mm)

Weight
Model 397-810A/811A. . . . . 6.5 lbs. (2.9 kg)
Model 398-811A/812A . . . . 7.2 lbs. (3.3 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

Models

Description	Part Number
"HELP" Button Only	397-810A
"HELP" Button & One Auto-dial Button	397-811A
Full Keypad, CALL Button	398-811A
Full Keypad, "HELP" Button, CALL Button	398-812A
TMA (Telephone Management Application) Package - VoIP	12509-044

This mark indicates successful completion of Cisco Product Compatibility testing.

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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.
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