

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 +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
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 397-800A/801A 6.5 lbs. (2.9 kg)
Model 398-801A/802A 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	397-800A
"HELP" Button & One Auto-dial Button	397-801A
Full Keypad, CALL Button	398-801A
Full Keypad, "HELP" Button, CALL Button	398-802A
TMA (Telephone Management Application) Package - VoIP	12509-044



This mark indicates successful completion of Cisco Product Compatibility testing.



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

