

Features

- **Weather-resistant (Type 3R) Surface-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 V ac – 24 V dc Plug-in Supply Provided)**
- **SIP Compatible (RFC 3261)**
- **Integral Low Profile Antenna (aluminum); Internal Antenna (non-metallic)**
- **Automatic Call Divert Via Memory List**
- **Four Auxiliary Inputs and Two Volt-free Outputs Per Telephone**
- **Auto-answer Capability**
- **Rugged Non-metallic or Aluminum Enclosure**
- **ADA Compliance Features: Braille “HELP” Label and “Call Received” L.E.D. Indicator**
- **Compatible with TMA (Telephone Management Application) Software**



393-800A



394AL-802A

GAI-Tronics' RED ALERT® Hands-free WiFi VoIP Surface-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**
- **Sports Arenas**
- **Business / Industrial Parks**
- **Parks and walkpaths**
- **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 Surface-mount Telephones are housed within a non-metallic or cast aluminum enclosure. Their bright, safety yellow color provides excellent visibility for telephone location and the rugged construction delivers a robust and weather-resistant solution for virtually any VoIP communication application.

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 L.E.D.
 Internal Power, Heartbeat & EACT L.E.D.s
 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 coated

Model 393-800A

Enclosure construction Non-metallic, safety yellow
 Dimensions 9.50 H x 8.00 W x 4.00 D inches (241.3 x 203.2 x 101.6 mm)
 Weight 4.0 lbs. (1.86 kg)

Model 393AL-800A and 394AL-802A

Enclosure construction Cast aluminum with safety yellow epoxy finish
 Braille Keypad (Model 394AL-802A only) Chrome-plated zinc
 Dimensions 9.50 H x 8.00 W x 4.00 D inches (241.3 x 203.2 x 101.6 mm)
 Weight
 Model 393AL-800A 7.8 lbs. (3.5 kg)
 Model 394AL-802A 8.5 lbs. (3.8 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, Non-metallic Enclosure	393-800A
"HELP" Button, Aluminum Enclosure	393AL-800A
Full Keypad, "HELP" Button, CALL Button, Aluminum Enclosure	394AL-802A
TMA (Telephone Management Application) Package - VoIP	12509-044



This mark indicates successful completion of Cisco Product Compatibility testing.

