



## GAI-Tronics Telephony

### Embedded Telephone Kit Hands Free Telephone Kit



- **SMART Analogue and VoIP-SIP options**
- **Vandal Resistant Metal Buttons**
- **Hands free operation (VOX)**
- **Robust and weather resistant: Up to IP65**
- **One, two or three button autodial options with remote programming**
- **Optional Induction Loop facility for hearing impaired**
- **All electronics housed in an IP65 rated sealed box**
- **Speaker, microphone, buttons and LED can be remotely mounted**
- **Audio-visual ring indication**
- **CE Compliant**

GAI-Tronics offers a flexible voice communications kit over Analogue, SIP and GSM to embed into your products, providing excellent voice communications. This kit presents open protocols that interface seamlessly into many existing systems.

Incoming calls are indicated by a flashing LED and audible warble tone.

Ideal for lifts, escalators, ticket machines and door gate entry systems.

Connectivity options are:

#### **SMART Analogue**

**Self Monitoring And Reporting Telephone** can be integrated with GAI-Tronics' TMA monitoring and maintenance software and/or GAI-Tronics CMA call centre. SMART gives advanced features including remote programming, fault monitoring and call logging, all from a line-powered telephone capable of operating up to 7km from the exchange on a two-wire cable.

#### **Voice over IP (SIP protocol)**

For connection to a VoIP enabled network, GAI-Tronics VoIP-SIP telephones offer direct connection to LAN or WAN via RJ45 connector, including Power-Over-Ethernet (PoE) as standard. GAI-Tronics VoIP-SIP phones offer a wealth of additional features including real-time reporting via Syslog, and can be configured by web browser.



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### Hands Free Telephone Kit

#### TECHNICAL SPECIFICATIONS

**Keypad** Metal, vandal resistant

#### Temperatures

Operating: -20° C to +60° C

Storing: -40° C to +70° C

#### Lightning / Transients

Protection to ITU-T k.21 enhanced levels

**Weather Resistance:** Sealed box for electronics IP65

#### ANALOGUE

##### Speech

Voice-switched (VOX) semi-duplex operation.

Call timeout programmable from 1 to 42 minutes

Remote switch-off capability

##### Dialling

Autodial keypad single-press switch-on-and-dial

24 digits maximum with embedded Recall, Pause, Pulse & Tone characters

##### Ringing

Dual tone ringing through loudspeaker >75 dB @ 1m REN 1

##### Power Supply

Line powered only operation down to 25mA.

Supplementary power 6 - 9Vdc 100mA, 12Vdc 250mA. Below 35mA line current supplementary power is recommended to achieve full volume.

**Memory Retention (autodiallers)** E<sup>2</sup> Prom - 10 year life

#### Options:

##### Remote programming

Auto-dial numbers, time-out and dial mode can be programmed over the phone line either from a tone phone or from monitoring software (TMA).

##### Configuration

Remotely programmable via TMA

##### Remote monitoring

Remote health-check and fault reporting, either on a call-in or polled basis. TMA required.

##### Call Logging

Records call time, duration and auto-dial number used. TMA required.

#### VOICE OVER IP - SIP

##### Connection type

RJ45 socket (inside sealed enclosure)

##### Power supply

External 48Vdc or Power-Over-Ethernet (PoE 802.3af compliant)

##### Call set-up Protocol

Session Initiation Protocol (SIP) (RFC 3261) only

##### Configuration

Via configuration file or web page. Static IP address provisioning or DHCP

##### External I/O

4 auxilliary inputs, 2 isolated relay outputs (1 capable of switching 230Vac)

##### Monitoring and reporting

Real-time over TCP/IP proprietary Syslog application.

#### APPROVALS



This mark indicates compliance with the following directives:  
Radio & Telecommunications Terminal Equipment Directive 1999/5/EC (R&TTE)

Tested to CTR21



Optional Induction Loop for hearing impaired

This mark indicates compliance for inductively coupling to Hearing Aids having a 'T' switch position  
Tested to ETS 300-381 and in accordance with ITU-T P37.

For specific country approval,  
please call



#### ORDER INFORMATION

T: 01283 500500, F: 01283 500400, E: sales@gai-tronics.co.uk

#### OPTIONAL ACCESSORIES

Please ask for Brochure B150 or visit: www.gai-tronics.co.uk.



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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.