

EMBEDDED TELEPHONE KIT



Hands Free Telephone Kit



Image for illustration purposes only

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 or gate entry systems.

Connectivity options are:

SMART Analogue

Self Monitoring And Reporting Telephone can be integrated with GAI-Tronics' TMA monitoring and maintenance software. 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.

- **SMART Analogue, VoIP-SIP and GSM options**
- **Vandal Resistant Metal Buttons**
- **Hands free operation**
- **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**

Voice over IP (SIP protocol)

GAI-Tronics VoIP-SIP telephones support Power over Ethernet (PoE) to combine power and connection to LAN or WAN. GAI-Tronics telephones now feature a secondary RJ45 port which allows two or more telephones to be connected in series*. GAI-Tronics VoIP-SIP phones offer a wealth of additional features including real-time reporting via Syslog, and can be configured by web browser.

GSM

The GSM version is quad band, accepts a standard 2G SIM card and is supplied with a rugged antenna which can be sited up to 3m away if required, using the cable provided.

*Contact GAI-Tronics for clarification of application

NOTE: For various space envelopes and environments, please contact GAI-Tronics directly to discuss requirements

Embedded Telephone Kit - Technical Specifications

Technical Specifications

Buttons: Metal, vandal resistant

Temperatures:

Operating: -20° C to +60° C

Storing: -40° C to +70° C

Weather Resistance: Sealed box for electronics IP65

GSM/GSM-R

Speech : Voice-switched semi-duplex operation.

Call timeout programmable from 1 to 42 minutes

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.

Lightning / Transients: Protection to ITU-T k.21 enhanced levels

Memory Retention (autodiallers) E² 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 : 2 x RJ45 socket (inside sealed enclosure)

Power supply : External 24/48Vdc 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.

Multicast (Only applicable to hands-free products) allows a single audio stream to be received by multiple endpoints simultaneously, to achieve multi-point paging or Public Address functionality over IP. (Requires a multicast compliant SIP server). 8 definable multicast address ranges, with individual priority levels, for zoning. Assignable relay outputs and splash tones.

Dimensions

Speech: Voice-switched semi-duplex operation

Call timeout programmable from 1 to 42 minutes.

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

Power Supply:

230Vac @ 100mA

48Vdc @ 0.5A

12Vdc @ 1A (including solar power)

Memory Retention (autodiallers): E2 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.

Approvals



Optional Induction Loop for hearing impaired

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

www.gai-tronics.co.uk



UK: Tel: +44 (0) 1283 500500
USA: Tel: +1 (610) 777-1374
Italy: Tel: +39 02 4860 1460
Malaysia: Tel: +60-3-8945-4035
Australia: Tel: +61-28-851-5000

www.gai-tronics.co.uk
www.gai-tronics.com
www.gai-tronics.it
www.gai-tronics.com
www.austdac.com.au

