



**VoIP Auteldac 4**

**VoIP IECEx and ATEX Approved Hazardous Area Telephone**

**WORLD'S FIRST IECEX/ATEX ZONE 1 VOIP**



- World's First IECEx/ATEX Zone 1 VoIP telephone
- Ex II 2 GD & Ex II 2 G ATEX Certified for Gas and Dust, IEC Ex certified
- Zone 1 & 2, Zone 21 & 22 Compliant
- INMETRO Approved for Gas
- Power over Ethernet (spare pair only)
- VoIP SIP Protocol (RFC3261)
- Web Page configuration
- Real time alarm reporting via e-mail
- Full keypad with 3 programmable memory buttons, or CB variant
- Operating Temperature -20°C to +50°C
- Adjustable Sounder
- Configurable relay output
- Robust and weather resistant (IP66 with curly cord, IP54 with steel cord)
- Industry standard robust handset with curly cord or armoured stainless steel
- Headset option
- CE Compliant

The VoIP Auteldac 4 (A4) is the world's first ATEX and IECEx Zone 1 & Zone 21 approved telephone. Providing simple network connection without the need for analogue convertors, extending VoIP access to arduous industrial atmospheres and environmental extremes.

With only one voice and data infrastructure to install and maintain, VoIP telephony saves time, money and call costs.

Certified for safe operation in hazardous areas, the VoIP A4 body is made from carbon loaded glass filled polyester. The elimination of moving parts ensures a high level of reliability in industrial and hazardous environments and enables ingress protection up to IP66.

The VoIP A4 telephone has a configurable relay output fitted as standard, which may be used for ring strobe activation or local speaker mute. An inductive coupler is fitted to aid the hard of hearing. For hands-free telephone use, the Auteldac 4 has the option of an ATEX approved headset.

**Options:**

The VoIP A4 is offered with a choice of armoured stainless steel or curly handset cords.



**18 button Full Keypad**

Included in the 18 button version, are 3 direct dial buttons for fast one touch dialling of pre-stored numbers.

Includes: M1- M3 Memory buttons, plus S 'Silence' and LR 'Last number redial'



**0 button**

This can be used to initiate a 'hotline'. Autodial on handset lift also available.

**Easy configuration:** password protected intuitive web pages held within the telephone can be accessed using a browser such as Internet Explorer to view, monitor and change settings within the telephone.

**24/7 Availability:** telephones with memory buttons have an automatic call divert facility so that if a number or URI is not available then up to 20 alternatives can be dialled automatically.

## TECHNICAL SPECIFICATIONS (please refer to technical manual for full product details)

**Enclosure:** (Wall mounted) Black carbon loaded glass-filled polyester

**Handset:** Polycarbonate handset with conductive coating, with coiled cord or stainless steel spiral cord (extended cord lengths available).

**Keypad:** Weathersealed tactile digital keypad

**Certified Operating Temperature:**  
-20°C to +50°C

**Relative Humidity:** Up to 95% (non-condensing)

**Weather Ingress protection:** IP66 Curled cord, IP54 Steel Cord

**Connection type:** Spring loaded cage clamps

**Network:** 100BaseT

**Power Supply:** External 24V min, 48Vmax dc or IEEE Compliant Power-Over-Ethernet (PoE). Alternative B (spare pairs) only, not data pair. Draws up to 7W.

**Call set-up Protocol:** Session Initiation Protocol (SIP) (RFC 3261 compliant)

**Codes & Audio:** G.711 A-Law G.711  $\mu$ -Law G.722 G.729 G.723.1 MP-MLQ G.723.1 ACELP

Codec preference sequence, DTMF in band/out of band (RFC2883), Configurable comfort tones (nation specific)

**Security:** Password protected

**Quality of Service:** Priority of IP Packets according to TOS and DiffServ VLAN Priority according to IEEE8021.p/802.1q

**Reliability:** MTBF 60,000 hours.

**Redundancy:** Supports up to 4 SIP proxys

**Configuration:** Via configuration file or on board password protected web page server. Static IP address or DHCP.

**Monitoring:** Automatic fault reporting via email or Syslog messaging. Real-time over TCP/IP proprietary Syslog application.

**Audio Path Testing:** Allows remote testing of handsets or microphones and speakers, to verify that a phone is functioning acoustically. Can be run on demand or on a scheduled basis, reporting its results via Syslog and / or email.

**Update Server:** Configuration and Firmware update via TFTP

**IP Address:** Static IP provisioning or Dynamic Host Configuration Protocol (DHCP)

**ICMP:** Internet Control Message Protocol for inbuilt ping test

**Memory Dialling:** Numbers or URIs (with comfort tones)

**Configurable Call Lists:** Max 20 entries which divert to next in list if the call fails

**External I/O:** Single Relay contact pair rated for external beacon or sounder. Configurable activation e.g. on ringing cadence. Contact rating 5Amps @250Vac max.

**Call Records:** Via call description reports

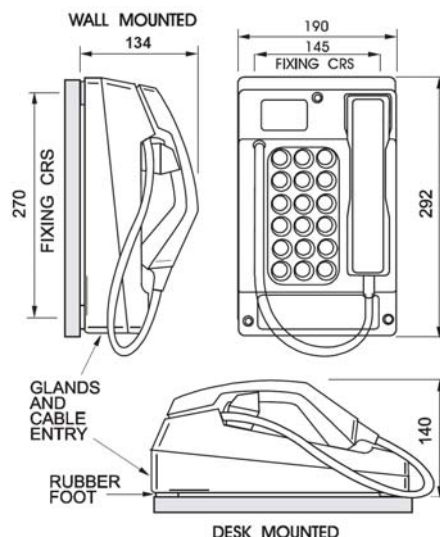
**Time/Date:** Simple Network time Protocol with time zone and daylight saving. Date format – European / US

**Ringin:** Configurable via configuration file or web page. 90db @ 1 metre typical. Configurable volume

**Time Out:** Enforces a fixed call maximum time limit (variable) from lifting of the handset. User selectable.

**Weight:** approx. 3.2 kg

### DIMENSIONS:



### ORDER CODE

#### VoIP Auteldac 4 Curly Cord

18btn standard unit	212-02-7008-031	Dust & Gas
CB standard unit	212-02-7000-031	Dust & Gas

#### VoIP Auteldac 4 Stainless Steel Cord

18btn standard unit	212-02-7008-020	Gas
CB standard unit	212-02-7000-020	Gas

For headset version order codes, contact GAI-Tronics

### APPROVALS

**CE** This mark indicates compliance with the following directives; ATEX Product Directive 94/9/EC; RoHS 2 Directive 2011/65/EC

The GAI-Tronics Quality Management System has been approved by LRQA to ISO9001:2008 & ISO 14001:2004 Certificate No. 861888 and OHSAS 18001:2007 Certificate No. 4004472

#### Telephone compliance

##### Baseefa09ATEX0261

**Ex** II 2 GD (curly cord, no headset)

Ex e ib mb IIC T4 Gb (-20°C to +50°C)

Ex ibD tb IIIC T180°C Db (-20°C to +50°C)

**Ex** II 2 G (steel cord and/or headset versions)

Ex e ib mb IIC T4 Gb (-20°C to +50°C)

**IECEx BAS 09.0126** :Ex e ib mb IIC T4 Gb (-20°C to 50°C)

**INMETRO** Approval (Brazil) CEPPEL 11.2017

Ex e ib mb IIC T4 Gb (-20°C to +50°C)

#### Headset compliance

**Ex** II 2 G EEx ib IIC T4 (-20°C to +40°C) TUV03ATEX2124



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An ISO 9001, ISO 14001, OHSAS 18001 Registered Company  
The policy of GAI-Tronics is one of continuous improvement; therefore the company reserves the right to change specifications without notice.

B193-7-0113B/CN37479-001