



# VULCAN

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## VULCAN LC INDUSTRIAL TELEPHONE

The Vulcan LC industrial telephone is designed to withstand the challenges of the most demanding industrial environments and is among the sturdiest heavy duty telephones available.

This vandal and mark resistant telephone with in-built advanced features included as standard, is designed to last which makes it the ideal heavy usage solution for production plants, oil, gas and chemical processing plants, university campuses, shopping centres and transportation terminals.

- ✓ **Steel construction**
- ✓ **Auto-reporting included as standard**
- ✓ **Ultra loud ringer 105dBA**
- ✓ **Stock availability**
- ✓ **Bespoke solutions**



**Analogue,  
SIP and GSM  
versions  
available**



### VULCAN LC FEATURES:

- All steel case with electrostatic powder coated finish
- Diecast zinc alloy keypad with non-wearing engrave and fill legends
- Secure steel wall mounting plate for easy wall mount
- Ultra Loud ringer 105dBA for noisy environments
- Built in Auto Reporting
- Intelligent Fraud Prevention
- Available in Analogue, SIP and GSM variants
- Non-keypad option available
- Bespoke solutions

## USER AND OPERATOR FEATURES:

### MEMORY OPERATION:

- The keypad has 4 coloured programmable keys (red, yellow, green and blue)
- 3 password protected supervisor memory stores enables secure dialling to 3 dedicated numbers upon entering the password
- An off hook 'hot dial' memory button enables autodial once the handset is lifted
- Local or remote programming of memory stores

**CALL BARRING:** The Vulcan LC can be programmed to bar or allow calls to different number prefixes, eg permitting calls to a PBX's extension number whilst barring other call types from the keypad. These call restrictions can be overridden by programming numbers into the memory stores.

**INTELLIGENT FRAUD PREVENTION:** Included as standard, the built-in intelligence prevents the use of tone diallers, ring back frauds and other fraud types. This enables the Vulcan LC to operate on a direct exchange line without risking chargeable call fraud.

### AUTONOMOUS REPORTING - FAULT & 'OK' STATUS:

- Simple Reporting is offered on all Vulcan models providing an 'I'm OK' to indicate the telephone and line is in working order and available for making calls.
- Reporting can be pre-set to specific time intervals
- The reporting telephone number can be programmed locally or remotely (for models without a keypad programming details need to be supplied with purchase order)
- The optional Standard Reporting provides an additional report to monitor service affecting faults such as jammed or super glued keys or faulty handsets
- With Standard Reporting, notification of faults can be emailed or text to a specified person

**ULTRA LOUD RINGER:** A 105dBA loud ringer ensures that a Vulcan LC can be heard in even the noisiest of environments. The ringer can be reduced to low for quieter sites or turned off if required.



### STANDARDS:

EN60950:2000 (Safety of information technology equipment)  
EN55022:1998 and Am1:2000 and Am2:2003 (Information technology equipment. Radio disturbance characteristics. Limits and methods of measurement)  
EN 55024:1998 and Am1:2000 and Am2:2003 (Information technology equipment. Immunity characteristics. Limits and methods of measurement)  
TBR38 (Electroacoustic Performance)

For SIP:  
EN55022:1998 and Am1:2000 and Am2:2003 (Information technology equipment. Radio disturbance characteristics. Limits and methods of measurement)

## MECHANICAL FEATURES:

**CONSTRUCTION:** High impact 3mm steel casings with an electrostatic powder coated finish offering a vandal and mark resistant front face. Supplied with a separate steel wall plate ensures simple and secure wall mounting.

**HANDSET:** 9mm hard wearing polycarbonate and PBT handset with a stainless steel armoured cable. The receiver is provided with inductive coupling capabilities in conformance with ITU recommendation P37.

**KEYPAD:** The 16 button keypad is zinc alloy diecast with engraved and filled numerals that will not fade or wear out. A raised pip on the number five key button for blind and partially sighted users. The keypad layout is in accordance with ITU recommendation E161.

A long life elastomeric key mat is utilised on the keypad which provides a splash/waterproof membrane.

**HANDSET CRADLE:** The handset cradle is sealed and moulded in polycarbonate and PBT, with the additional benefit of magnetically sensing the proximity of the handset when placed in the cradle.

## COMPATIBILITY:

**ANALOGUE:** The Vulcan LC is compatible with direct exchange lines, analogue PBX extensions and VoIP analogue telephone adapters (ATA's).

**SIP:** The Vulcan LC SIP model utilizes Grandstream 701 with a separate PoE extractor.

**GSM:** The Vulcan LC GSM model utilizes a GSM Wavecom Wismo 218 module.

## SPECIFICATION:

**DIMENSIONS:** H 280mm x W 170mm x D 150mm

**WEIGHT:** 2.1kg

**OPERATING ENVIRONMENT:** temperature -30°C to +70°C, humidity up to 95% non-condensing. IP55 rated. The SIP version includes a 3m patch cable.

### CERTIFICATIONS:



WEEE Compliant



ROHS Compliant



**WARRANTY:** 12 months Manufacturers Warranty



**DESIGN AND MANUFACTURE:** In the UK

EN 55024:1998 and Am1:2000 and Am2:2003 (Information technology equipment. Immunity characteristics. Limits and methods of measurement)  
TCP/UDP/IP, RTP/RTCP, HTTP/HTTPS, ARP/RARP, ICMP, DNS, DHCP, NTP, TFTP, TELNET, PPPOE, STUN, SIP (RFC3261) (Supported Network Protocols)  
G.711 (a/u-law), G.723.1, G.729A/B/E, G.726-40/32/24/16 and iLBC (Supported codecs)  
Layer 2 (802.1Q VLAN/802.1p) and Layer 3 (Tos, DiffServ, MPLS) (Supported Qos)  
In Audio, RFC2833, and SIP Info (Supported DTMF Method)  
IEEE 803.3a/f (Supported Power over Ethernet)

Specification may be subject to change. ATEX approval planned.