



SENTINEL VOIP PHONE

The Sentinel Voice over Internet Protocol (VoIP) phone is one of the first to be designed specifically for the military. This state-of-the-art phone exploits commercial off-the-shelf (COTS) components and commercial standards to facilitate the military deployment of VoIP.

The phones simply interconnect using ethernet within an All-IP system completely eliminating the traditional costly local distribution switch. Value-added features in the phone allow the elimination of other devices by direct provision of facilities such as conference and intercom.

The phone is available in three configurations:

- Rugged stand-alone telephone
- Soft phone, Windows/Linux application
- Soft phone, plug-in for web pages

The soft variants allow voice facilities to be added to management and data terminals deployed for other purposes. This reduces cost, space and deployment times as well as offering integration benefits to the user.

All versions of the phone use open standards and will interface to Sentinel and third-party Gatekeepers. Automatic Gatekeeper discovery provides plug and play operation.

Sentinel Gatekeepers offer extended support including:

- Display of affiliated subscribers
- Network availability status
- Address book
- Intercom

A full colour display provides an intuitive user interface including graphical call progress indications and user options. This replaces the complexities of facility codes and reduces key presses.

DESIGN FEATURES

- Open standard VoIP telephone
- Designed for military operation
- Low cost deployment
- Soft version adds voice to existing PCs
- Can be used with third party VoIP systems

MILITARY FEATURES

- Eurocom tones
- Pressel support
- CODEC selection
- QoS control
- Stores last received, made, and missed calls
- Precedence and pre-emption
- Subscriber specific polyphonic ring tones
- Intercom (supports mobile subscribers)
- Multiple user support
- Intelligent GUI
- Speakerphone
- Context-sensitive help
- Enhanced and intuitive human interface for ease of use
- Software upgradeable
- No user maintenance required
- Rugged handset with noise-cancelling microphone
- Lightweight rugged plastic case



TECHNICAL SPECIFICATION

Network Protocols

H.323 r2

Network Interface

Ethernet 10/100-Base-Tx and Power Over Ethernet to IEEE 802.3af (48V DC)

Power Consumption	5W
Dimensions	115mm high/200mm wide/280mm deep
Weight	1.5kg

Climate environment

Temperature:	Storage	-20/70°C
	Operating	-20/55°C
Humidity	0-98% RH Non condensing	
Driving rain	Def Stan 0035 Test CL27	
Dust/sand	Def Stan 0035 Test CL25	
Snow and ice	Def Stan 0035 Test CL18 and CL10	

Induced environment

Vibration	0.02g2/20Hz to 500Hz
Shock	15gn 11ms half sine
Drop	Def Stan 0035 Test M4

EMC	Mil Std 461 E
Reliability (MTBF)	10,000 hours
MTRR	30 minutes

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