MINE SITE TECHNOLOGIES

ImPact

The FUTURE of mining communications

Intrinsically Safe
VoIP Phone Handset

Productivity and Safety through
Mine-Spec digital applications

Push to Talk Functionality with ermergency overide
72 hours standby time
Text messaging
Caller ID

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I.S. MinePhone handset specifications

Mine Site Technologies' MinePhone handsets offer a simple and robust solution for Voice over Internet Protocol (VoIP) communications in mining environments. The handset allows users to make and receive VoIP phone calls from any area of the mine covered by the wireless network and includes mine specific functionality including Push To Talk (PTT), emergency alarms and a battery life designed to last an entire shift. The handset is IEEE 802.11b/g (Wi-Fi) compliant and uses Session Initiation Protocol (SIP) for both voice calls and text messaging. The units can be configured using the on screen menu system or via a web browser simplifying system deployment.

Handset Specifications:
- Wi-Fi 802.11b/g
- Dimensions: 150mm x 75mm x 35mm
- Battery: 1100mAh
- Charge life:
  - 3 hours talk time.
  - 72 hours standby time.
- Transmit power: +17dBm.
- Screen: 240 x 320 Colour TFT.
- Weight: 250g

Network Protocols
- TCP/ UDP/ IP, IPV4, DNS ARP, Static IP DHCP.
- Real Time Transfer Protocol (RTP). RFC 1889/ RTCP FC 1890
- Session Description Protocol (SDP) RFC 2327
- Session Announcement Protocol (SAP)
- Session Initiation Protocol (SIP) RFC 3621, 3624 & 3515 V2.
- Standards – Call control & text messaging (RFC 3261 & DPRFC 2321).
- DTMF RFC 2833
- Software updates by TFTP.

Wireless Security
- WEP (64/128 bit encryption)
- WPA
- WPA2

Voice Features
- G.711 (A-Law & μ-Law 64kbps).
- G.729A (8 kbps).
- Acoustic echo cancellation.
- Jitter buffer control (default 80ms, max 320ms).

Telephony Features
- Call forwarding.
- Caller ID.
- Call waiting.
- Call mute.
- Re-dial (Last 20 records).
- Hot key dialling.
- Text messaging (stores up to 100 messages).
- Multiple ring tones.
- Phone book (up to 200 records).
- Power saving mode.
- Speaker and microphone volume controls.
- Vibrating alert and silent mode.

Mine Specific Features
- 24 Push to talk (PTT) channels
- Man Down Emergency over ride
- External headset *(non I.S. verson only)*
- Asset locator (when used in conjunction with MST tracking system

Certifications

		Certificate No.
IEC	- Exia	IECEx TSA 10.0023X
MSHA	- Exia	23-A100006-0

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