



IMPACT

The FUTURE of mining communications

Voice over Internet Protocol Phone



Productivity & Safety through
Mine Spec Digital Applications

Push to talk functionality
72 Hours standby time
Text Messaging
Caller ID

Mine-Phone Handset Specifications

Mine Site Technologies' Mine-Phone handsets offer a simple and robust solution for voice over internet (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 LCD screen menu system or via web browser simplifying system deployment.

Handset Specifications

Dimensions:	150mm x 75mm x 35mm
Battery:	1020mAh
Charge life:	3 hours talk time. 72 hours standby time.
Transmit power:	+17dBm.
Screen:	320 x 240 Colour TFT.
Weight:	293g

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 & SDP
RFC 2321).
DTMF RFC 2833
Software updates by TFTP.
Quality of Service (QoS) based
on 802.11e (WMM)

Wireless Security

Supports WEP (64/ 128 bit
encryption), WPA & WPA2 (with
TKIP AES encryption)

Voice Features

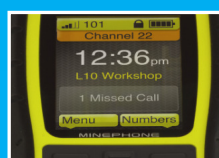
G.711 (A-Law & U-Law 64kbps).
G.729A (8 kbps).
Acoustic echo cancellation.
Jitter buffer control (default 80ms,
max 320ms).

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
Asset locator (when used in
conjunction with MST tracking
system)



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Mine Site Technologies Pty Limited reserves the right to make changes to the specifications
and information contained in this brochure at any time and without notice.
Photos of Atlas Copco Equipment – Courtesy of Atlas Copco. Z002/7182MS

