

M-Phone

VoIP Wireless SIP Handset

Ya Batho' M-Phone is a high-performance, industrial grade Wi-Fi phone, designed specifically for underground mining environments. The light-weight, ruggedized construction is IP-54 rated, explosion and water proof, includes dust screening and shock proofing, and can be used in extreme temperatures. The M-Phone supports "Push-to-Talk" and "One Touch SOS" functions as well as "Offline Communication" which can be used when no network infrastructure exists.



Specifications

Size	120 mm x 52 mm x 22 mm
Weight	138g
Screen	1.8 in, TFT LCD
Battery Capacity	1200 mAh
Standby Time	>100h; Talk Time > 6h
Barrier-Free Speech Range	>400m
Certification	Ex ia I Ma - MASC M/16-0219X

Parameters

Standard Supported	IEEE 802.11 b/g/n
Frequency Band	2.4 - 2.483 GHz
Transmit Power	15~17 dBm
Receiving Sensitivity	>-90dBm
Security	WEP64, WEP128, WPA and WPA2
IP Address	DHCP and Static IP address supported
Roaming	Access Point Roaming Supported
Protocols Supported	SIP 2.0 (RFC 3261)
Codecs	G.711u, G.711a, G.729A
Noise Suppression	Noise Cancellation DSP Echo Cancellation High Acoustic Quality Short Time Delay
Messaging	Two Way Texting Up to 100 messages in Inbox and Outbox storage
Contacts	400 Contacts with Address and Phone Number Supports search, browse, input and delete
Alarms	Alarm key positioned for easy use Press for Alarm Warning Press and Hold - Pre-Set alarm number will be dialled
Software Upgrade	TFTP Wireless Upgrade of Software
Level of Protection	IP 54
Push to Talk	Supported - 24 Channels
Push to Alarm	Supported

Certifications

EMC Approval	SANS/IEC 61000-4-2,3,4,5,6,8,9,11, SANS/IEC 61000-3-3, SANS 211/CISPR 11, ETSI EN 300-328
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