

FUSIONⁱ

Cortex



Improving the safety
of your underground
environment

- > Underground communications solution
- > Ready for harsh underground conditions
- > Emergency Man-down
- > Convenient radio-like Push-To-Talk functionality
- > LTE and Wi-Fi
- > Long-lasting battery



FUSION

Cortex

MST FUSION Cortex is a ruggedised smart phone developed specifically for harsh underground environments. This phone has advanced software and is installed with the Cortex Talk application. The application has Push-to-Talk, Emergency Man-down, VoIP and texting capabilities.

Designed to work seamlessly with Wi-Fi and LTE networks, **Cortex** also takes advantage of MST's tracking capabilities to vastly improve the safety and location awareness of your personnel and assets. Based on the Android platform, **Cortex** is easy to operate and provides a user experience familiar to anyone who has used a touchscreen mobile phone.

Cortex is fully compatible with MST's existing MinePhone (MP71) which allows you the opportunity to implement a staged replacement of aging handsets.

Cortex is part of the new MST Underground Communications Network Solution which is delivered as a complete commercial package for small, medium and large operations.

Hardware, software, network and basic support are all part of the complete MST Underground Communication network solution. Higher levels of support are available via the MST extended service level agreement. A simple tiered purchasing structure facilitates the deployment suitable to your specific operational needs.

SPECIFICATIONS

SYSTEM

- > OS: Android based MST FUSION
- > CPU: MTK6750 Octa-core, up to 1.5GHz
- > Flash: 64GB (54GB available)
- > RAM: 4GB

SCREEN

- > Display Size: 5.0"
- > Display Technique: Multi points touch
- > Resolution: 1920 * 1080 Pixels

CAMERAS

- > Front Camera: 5.0MP
- > Back Camera: 13.0MP

BATTERY

- > Capacity: 4700mAh (Non-removable)

NETWORK

- > Type: GSM / WCDMA / FDD-LTE
- > Band
 - 2G: GSM 850/900/1800/1900
 - 3G: WCDMA: 850/900/2100
 - 4G: FDD: B1/3/7/8/20 TDD:B40
- > Dual SIM cards, Dual standby
- > SIM Card Type: 2 x Micro SIM
- > Wi-Fi: 802.11 b/g/n/ac
- > Bluetooth: Version 4.0

PACKAGE CONTENTS

- > Phone
- > Power adapter
- > USB cable
- > SIM card eject tool
- > Earphones
- > Manual

WEIGHT AND DIMENSIONS

- > Size: 155 * 82 * 16.5mm / 6.10 * 3.23 * 0.65in
- > Weight: 255g / 9oz

GENERAL

- > IP68, water & dust proof
- > Multilanguage
- > GPS: Supported
- > Sensors: Accelerometer, Proximity Sensor, Light Sensor
- > Image: JPEG, BMP, GIF, PNG, etc.
- > Video: AVI, 3GP, MP4, WMV, MKV, MOV, ASF, RM, FLV etc.
- > Audio: WAV, MP3, MP2, AAC, AMR, MIDI etc.
- > Other Features: Messaging, Wallpapers, Clock, etc.