

# KryptoPhone

## KryptoPhone Specifications Document



## Technical Specifications/Datasheet

<b>Voice Calls</b>	Voice calls between KryptoPhones is encrypted with RSA 8192 and AES 256-bits.
<b>Video Calls</b>	Video calls with KryptoPhone are encrypted and additionally secured by ZRTP protocol
<b>Instant Messaging</b>	Instant messaging with KryptoPhone has military-grade encryption of RSA 8192 and AES 256-bits.
<b>Email Communication</b>	KryptoPhone enables users to send and receive encrypted emails with a military-grade encryption of RSA 4096 and AES 256-bits.
<b>Internet Browsing</b>	KryptoPhone enables users to connect anonymously to any public or shared network. KryptoPhone encrypts your Internet traffic & hides your IP address.
<b>Active Defence System</b>	KryptoPhone has an integrated smart intrusion prevention system which detects >2.000 different external attacks.
<b>Black Out Calls</b>	Make secure calls from KryptoPhone to normal phone numbers with our Black Out call feature.
<b>Audio Conferencing</b>	KryptoPhone has allows multi-party encrypted audio-conferencing.
<b>Auto Destroy Mechanism</b>	KryptoPhone's memory/storage is encrypted and has an auto destroy mechanism upon 7 failed password attempts.

<b>Operating System</b>	<b>OS</b> Hardened Android 7.1 Nougat	<b>OS Encryption</b> KryptoPhone's operating system is encrypted with AES 256-bits algorithm	
<b>Processor</b>	Qualcomm® Snapdragon™ 625 Octa-Core 2.0 GHz, 64-bit Adreno 506, 650MHz GPU		
<b>Display</b>	<b>Resolution</b> 433 PPI 1620 x 1080 IPS LCD 24-bit colour depth	<b>Screen size</b> 4.5" diagonal 3:2 aspect ratio	
<b>Camera</b>	<p align="center"><b>Rear camera</b></p> <p align="center">12MP auto-focus large pixel camera</p> <p align="center">4K video recording at 30 fps</p> <p align="center">Phase Detect Auto Focus (PDAF), fast focus lock</p> <p align="center">HDR 6-element f2.0 lens</p> <p align="center">Dual Tone LED Flash – Enhanced photo color balance</p> <p align="center">4x digital zoom</p> <p align="center">Continuous &amp; touch to focus, face detection, electric image stabilization</p> <p align="center">Panorama, burst, live filters</p> <p align="center">Multi-frame low light enhancement</p>		<p align="center"><b>Front camera</b></p> <p align="center">8MP fixed-focus, f2.2</p> <p align="center">1.125um pixel size</p> <p align="center">84° wide angle/field of view lens</p> <p align="center">Image &amp; video stabilization</p> <p align="center">1080p HD video recording at 30 fps</p> <p align="center">Light-up LCD flash</p> <p align="center">Wide selfie mode (also known as selfie panorama)</p> <p align="center">Multi-frame low light enhancement</p>
<b>Memory</b>	<b>Memory</b> 3 GB RAM 32 GB Flash	<b>Expandable memory</b> Expandable memory via hot swappable microSD memory card (Up to 2TB)	
<b>Network</b>	<p align="center"><b>Network bands</b></p> <p align="center"><b>Canada, LATAM, APAC, USV1</b></p> <p>LTE: 1, 2, 3, 4, 5, 7, 8, 12, 13, 17, 19, 20, 28, 29, 30 TDD LTE: 38, 39, 40, 41</p>	<p align="center"><b>Network bands</b></p> <p align="center"><b>US V2</b></p> <p>LTE: 1, 2, 3, 4, 5, 7, 12, 13, 20, 25, 26,28, 29, 30 TDD LTE: 41 CDMA BC 0,1,10</p>	<p align="center"><b>Network bands</b></p> <p align="center"><b>Europe, Middle East, Africa and Asia Pacific</b></p> <p>LTE: 1, 2, 3, 4, 5, 7, 8, 13, 17, 20, 28 TDD LTE: 38, 40</p>

<b>Connectivity</b>	<p><b>Wi-Fi®</b></p> <p>802.11 b/g/n 2.4 GHz 802.11 a/n 5GHz 802.11 ac 5GHz 4G Mobile Hotspot Wi-Fi Direct</p>	<p><b>Bluetooth®</b></p> <p>Bluetooth 4.2 Low Energy (LE) and EDR</p> <p><b>Ports</b></p> <p>USB Type-C - USB 3.1</p>	<p><b>GPS</b></p> <p>Assisted, autonomous, and simultaneous GPS</p> <p>Support for user plane and control plane</p> <p>GLONASS, BeiDou2</p> <p>OTDOA</p> <p><b>NFC</b></p> <p>Yes</p>
<b>Sensors</b>	<p><b>Sensors</b></p> <p>Accelerometer, Magnetometer, Gyroscope, Proximity, Ambient light, Hall Effect</p>		
<b>Physical Specs</b>	<p><b>Size</b></p> <p>Height 149.3 mm / 5.8 in Width 72.5 mm / 2.8 in Depth 9.4 mm / 0.37 in</p>	<p><b>Weight</b></p> <p>180g / 6.34 oz</p>	
<b>Battery</b>	<p><b>Battery</b></p> <p>3505 mAh (typical) 4.4V non-removable Lithium Ion battery QC3.0 Enabled 50% charge in 36 minutes</p>		<p><b>Removable</b></p> <p>No</p>
<b>Multimedia</b>	<p><b>Image formats</b></p> <p>BMP, JPG, GIF, PNG, WEBP</p> <p><b>Audio &amp; video formats</b></p> <p>3GP, 3G2, AAC, AVI, ADTS, ASF, AWB, FLAC, IMY, MID, MKV, MOV, MP3, MPEG-4, MXMF, OGG, OTA, RTTTL, RTX, WAV, WEBM, XMF</p>	<p><b>Audio &amp; video encoding/decoding</b></p> <p>MPEG-4, AAC+, AAC-LC, AMR-NB, AMR-WB, DivX, EVRC, FLAC, H.263, H.264, H265/HEVC, MIDI, MP3, OPUS, PCM, QCELP, VC-1, VORBIS, VP8, VP9, WMA Pro, Xvid, eAAC+</p>	<p><b>Streaming protocols</b></p> <p>HTTP(S) progressive download, HTTP(S) live streaming (HLS) version 3, RTSP (RTP, SDP)</p>

For more details about KryptoPhone, please visit [www.kryptophone.ae](http://www.kryptophone.ae).