

KryptoPhone

KryptoPhone Specifications Document



Technical Specifications/Datasheet - KryptoPhone 2019

Voice Calls	Voice calls between KryptoPhones is encrypted with RSA 8192 and AES 256-bits.
Video Calls	Video calls with KryptoPhone are encrypted and additionally secured by ZRTP protocol
Instant Messaging	Instant messaging with KryptoPhone has military-grade encryption of RSA 8192 and AES 256-bits.
Email Communication	KryptoPhone enables users to send and receive encrypted emails with a military-grade encryption of RSA 4096 and AES 256-bits.
Internet Browsing	KryptoPhone enables users to connect anonymously to any public or shared network. KryptoPhone encrypts your Internet traffic & hides your IP address.
Active Defence System	KryptoPhone has an integrated smart intrusion prevention system which detects >2000 different external attacks.
Black Out Calls	Make secure calls from KryptoPhone to normal phone numbers with our Black Out call feature.
Audio Conferencing	KryptoPhone has allows multi-party encrypted audio-conferencing.
Auto Destroy Mechanism	KryptoPhone's memory/storage is encrypted and has an auto destroy mechanism upon 7 failed password attempts.

Operating System	OS Hardened Android OS - 8.1 Oreo (Upgradable)	OS Encryption KryptoPhone's operating system is encrypted with AES 256-bits algorithm	
Phone Make	BlackBerry KEY2		
Processor	Qualcomm® SDM 660, Kryo 260 Octa-Core 2.2 GHz x 4 + 1.8GHz x 4, 64-bit		
Display	Resolution 433 PPI 1620 x 1080 IPS LCD 24-bit colour depth	Screen size 4.5" diagonal 3:2 aspect ratio	
Camera	Rear camera Dual Camera 12M+12M with Dual Tone LED Flash HDR, 4K video recording at 30 fps, Scan, Private Capture 12MP Fov 79.3°, Large Pixel – 1.28um, F1.8, Dual Phase Detect Auto Focus (Dual PDAF) 12MP Fov 50°, Pixel-1.0um, F2.6, Phase Detect Auto Focus (PDAF)		Front camera 8MP Fixed Focus, 1080p video recording at 30 fps
Memory	Memory 6GB RAM + 64GB Flash compatible with 6GB RAM + 128 Flash	Expandable memory Expandable memory via hot swappable microSD memory card (Up to 256GB)	
Network	Network bands Model BBF100-1 FDD-LTE 1, 2, 3, 4, 5, 7, 8, 12, 13, 17, 19, 20, 26, 28, 32 (2100/1900/1800/1700/850/2600/900/700/700/700/850/800/850/700/1500) TD-LTE 38, 39,40, 41 (2600/1900/2300/2500) HSPA+ 1, 2, 4, 5/6, 8 (2100/1900/1700/850/900 MHz) Quad band GSM/GPRS/EDGE (850/900/1800/1900 MHz) 3GPP release version: -2G: Rel8; -3G: Rel9; -LTE: Rel11	Network bands Model BBF100-2 FDD-LTE 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 20, 28, 29, 30, 66 (2100/1900/1800/1700/850/2600/900/700/700/700/800/700/700/WCS/AWS-3) TD-LTE 38, 39, 40, 41 (2600/1900/2300/2500) HSPA+ 1, 2, 4, 5/6, 8 (2100/1900/1700/850/900 MHz) Quad band GSM/GPRS/EDGE (850/900/1800/1900 MHz) 3GPP release version: -2G: Rel8; -3G: Rel9; -LTE: Rel11	Network bands Model BBF100-6 (Dual SIM version) FDD-LTE 1, 2, 3, 4, 5, 7, 8, 12, 13, 17, 19, 20, 26, 28, 32 (2100/1900/1800/1700/850/2600/900/700/700/700/850/800/850/700/1500) TD-LTE 38, 39, 40, 41 (2600/1900/2300/2500) HSPA+ 1, 2, 4, 5/6, 8 (2100/1900/1700/850/900 MHz) Quad band GSM/GPRS/EDGE (850/900/1800/1900 MHz) 3GPP release version: -2G: Rel8; -3G: Rel9;-LTE: Rel11 -Dual SIM mechanism: DSDS & both SIM can be standby on 4g

<p>Connectivity</p>	<p>Wi-Fi®</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>Bluetooth®</p> <p>Bluetooth 5.0 Low Energy (LE)</p> <p>Ports</p> <p>USB Type-C, USB 3.0, USB OTG</p>	<p>GPS</p> <p>Autonomous and Simultaneous GPS</p> <p>GLONAS</p> <p>Beidou</p> <p>Galileo</p> <p>OTDOA</p> <p>NFC</p> <p>Yes</p>
<p>Sensors</p>	<p>Sensors</p> <p>Fingerprint (spacebar), Accelerometer, Magnetometer, Gyroscope, Proximity, Ambient Light, Hall Effect</p>		
<p>Physical Specs</p>	<p>Size</p> <p>Height 151.4mm Width 71.8mm Depth 8.5mm</p>	<p>Weight</p> <p>168g</p>	
<p>Battery</p>	<p>Battery</p> <p>3500 mAh (typical)</p> <p>Compatible with USB Power Delivery 2.0 v1.2 & 9V2A 18W QC3.0 Chargers</p>		<p>Removable</p> <p>No</p>
<p>Multimedia</p>	<p>Image formats</p> <p>BMP, JPG, GIF, PNG, WEBP</p> <p>Audio & video formats</p> <p>3GP, 3G2, AAC, AVI, ADTS, AWM, DIVX, FLAC, IMY, MID, MKV, MP3, MPEG-4, MXMF, OGG, OTA, RTTTL, RTX, WAV, WEBM, XMF</p>	<p>Audio & Video Supported Codes</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, VORBIS, VP8, VP9, Xvid, eAAC+</p>	<p>Streaming protocols</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.