

#becrypt

convex430

secure mobile



Convex430 is the secure, ruggedised smartphone from Becrypt. Designed and built for defence, security, public safety and other professional markets, the sleek and rugged mobile phone provides superior user experience and compliance with carrier-grade feature requirements.

Working with smartphone manufacturer Bittium™, Becrypt provide a managed secure Android™ platform, with a range of enterprise security features built in at the platform level, combining ease of use with enhanced platform security and centralised management.

Secure

Secure platform and hardened Android™ OS with embedded Becrypt security features.

Managed

Becrypt MDM provides advanced device configuration options, with audit capabilities.

3rd Party Apps

Administrative control over all app installation and un-installation, creating a closed ecosystem.

System Apps

Google Play™ services have been removed, whilst management technology provides complete control of all system applications, launchers and widgets.

Radio Control

Radio function can be configured to automatically disable all smartphone radio communication when connected to external communication devices, such as high assurance crypto.

Enforcement

Device management provides unique enforcement, by policy, of WiFi, Bluetooth, MTP, tethering and NFC.

For more information on Becrypt and our solutions, contact us:

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convex430: Specifications

Qualcomm Snapdragon 801

- > Quad-core Krait CPU 2.3GHz
- > Adreno 330 3D graphics accelerator
- > Hexagon QDSP 600 MHz

Operating System

- > Android™ 6.0 Marshmallow
- > Bcrypt operating system components support extensive device management

Memory

- > 2GB LPDDR3 PoP RAM
- > 16GB eMMC Mass Storage
- > Micro SD expansion slot

Security

- > Secure boot with HW-enabled integrity
- > Runtime integrity
- > Application permission firewall
- > Secure data storage for user credentials and encryption keys
- > Encrypted mass memory
- > Tampering detection
- > FIPS 140-2 compliant HW cryptography
- > Device and radio stack control
- > Patch management

Display

- > 5" Full HD (1080*1920) LCD
- > Glove-usable capacitive touch, functional in wet conditions

Battery

- > 2700mAh Li-Ion

Wireless Connectivity

LTE

- > 3GPP rel10 (LTE Advanced)
- > FDD Cat4, DL 150 Mbit/s, UL 50 Mbit/s
- > IMS, VoLTE-ready
- > Band configuration: B2 (1900), B3 (1800), B4 (1700), B5 (850), B7 (2600), B13 (700), B14 (700), B17 (700), B20 (800)
- > Carrier Aggregation: supported

UMTS/HSPA

- > 3GPP rel8, HSPA+, DL 42 Mbit/s, UL 5.76 Mbit/s
- > Band configuration: B1 (2100), B2 (1900), B4 (1700), B5 (850), B8 (900)

GSM/GPRS/EDGE

- > 850/900/1800/1900 MHz

Other Radios

- > Wi-Fi 802.11 a/b/g/n/ac
- > BT 4.0
- > NFC

Configurable Button

- > Configurable button for PTT, camera, etc.

Sensors

- > 3D Gyroscope
- > 3D Accelerometer
- > 3D Magnetometer
- > Proximity sensor
- > Ambient light sensor
- > Barometer

Interfaces

- > USB 3.0 with fast charging
- > Wireless display (Miracast compliant)
- > Dual-SIM slots

Imaging and Video

- > 8 MP with autofocus and LED flash
- > 2 MP for front facing applications
- > Full HD video capture and playback

Audio

- > Dual high-performance speakers
- > Multi-microphone active noise cancelling
- > Earpiece and microphone
- > 3.5mm headset connector

Positioning

- > aGPS/Glonass
- > iZat™ positioning framework

Mechanical

- > 141mm x 75.5mm x 13.5mm
- > 180g
- > IP67 water and dust resistant
- > MIL-STD-810G shock resistant

Operating Range

- > -20°C to +55°C