

Bittium

Bittium Tough Mobile™ 3 Next Generation of Ultra Secure Smartphones



Bittium Tough Mobile™ 3 together with quantum-safe software enables absolute security for mitigating the ever-increasing cyber threats faced by government agencies, defense forces, law enforcement, and critical infrastructure organizations.

Android™-based Tough Mobile 3 5G smartphone combines government-grade security with military-grade resilience, while offering ease of use and seamless integration into existing IT environments.

Designed and manufactured in EU.

FOR MORE INFORMATION
bittium.com/tough-mobile-3



Security Built in Layers

Preventing physical and software attacks for keeping data safe at all times.



Quantum-Safe Connectivity

Bittium SafeMove® Mobile VPN and Bittium Secure Call™ provide quantum-safe, NATO Restricted-level communications



Certified Security

Designed for NATO and EU certifications for classified collaboration.



Military-Grade Resilience

Designed to withstand extreme conditions - shock, vibration, water, dust and temperature.

Tactical Usage

Complete solution for military use with complementary software and accessories

Bittium Tough Mobile™ 3

Specifications

Operating System

- Android™ 16 or newer
- Available with or without Google apps pre-installed
- Multicontainer

Chipsets

- Qualcomm® Dragonwing™ Q-6690 FP4

Memory

- 12GB/256GB + MicroSD support

Display

- 6.32" FHD+TFT sunlight readable display
- Glove and wet usable capacitive touchscreen
- Strengthened cover glass designed to improve drop performance (Gorilla® Glass Victus® 2)

Bittium SafeMove®

- SafeMove® MDM for device and application management
- Quantum-safe, always on Bittium SafeMove® Mobile VPN
- TL IV (Restricted) granted by National Cyber Security Authority (NCSA) in Finland
- Difusión Limitada (Restricted) granted by Centro Criptológico Nacional (CCN) in Spain
- Crossnote notifications between Secure and Personal modes

Bittium Secure Call™

- Quantum-safe, end-to-end encrypted communication application
- Messages, voice, video and group calls

Hardware-Based Security

- Trusted boot with HW and SW integrity validation
- Hardware Stealth Mode
- Authentication and cryptographic services for applications based on the tamper-proof secure element
- Disk encryption protected by secure element's authentication and security design
- User credentials and encryption keys stored to hardware secure element
- Non-rootable device firmware
- Tamper-proofed to prevent data

- theft and hardware manipulation
- Always-on security monitoring
- Two-factor authentication with NFC dongle

Connectivity

- 5G sub-6 with SA/NSA
- Private and public networks
- eSIM
- Bluetooth® 5.4
- Wi-Fi 7 802.11 a/b/g/n/ac/6e/7
- GPS, A-GPS, Glonass, Galileo, Beidou
- USB-C 3.1 with Desktop Mode
- Type C audio
- NFC
- USB tactical radio support
- Radio hardware kill-switch
- 16-pin external accessory connector

Physical Buttons

- Emergency button (programmable)
- PTT/PTV (programmable)
- Power/wake-up (with fingerprint sensor)
- Volume up and down

Sensors

- 3D gyroscope
- 3D accelerometer
- 3D magnetometer
- Proximity sensor
- Ambient light sensor
- Barometric sensor
- E-compass

Cameras

- 50MP Autofocus and 5MP Ultra Wide Autofocus rear cameras
- 32MP front camera
- Laser Autofocus
- Rear-facing dual LED flash + RED LED
- High brightness red LED as torch for night view

Interfaces

- USB-C with OTG and analog audio support
- Displayport via USB-C
- Dual nano-SIM (DSDS) (DSDA) and MicroSD via 3-in-2 combo reader
- Wireless display (Miracast) compliant



Battery

- Embedded 4500 mAh Li-Ion

Mechanical

- Size 165.6 x 77.9 x 11.55 mm
- Weight 270 g
- IP68 and IP69K water and dust resistant
- MIL-STD-810H shock and drop resistant

Temperature Range

- -20°C...+55°C (operational)

Certifications

- Designed for NATO and EU certifications

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