

# Bittium



One Device  
Two Worlds  
Absolute Security

**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](https://bittium.com/tough-mobile-3)



## Governmental Grade Dual-OS

Two hardened operating systems:  
• Bittium Secure OS  
• Google Android 15



## 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.



## Security Built in Layers

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



## Military-Grade Resilience

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

# Bittium Tough Mobile™ 3

## Specifications

### Two Operating Systems

- Bittium Secure OS for CONFIDENTIAL level use
- Android™ 15 (or newer) for Personal use
- Both operating systems support Multicontainer feature

### Chipsets

- Qualcomm® Dragonwing™ Q-6690 FP4

### Memory

- 12GB/256GB + MicroSD support

### Display

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

### Bittium Secure OS

- Dual boot; full data and secure element separation
- Secure data folder for classified documents and other data files
- Excellent usability with NFC token
- Hardened, configurable and restricted cellular network security (call, SMS/MMS, IMS, VoLTE, aGPS, SIM application toolkit)
- Hardened Linux kernel
- Secured local connectivity (Bluetooth, WiFi, NFC, USB)
- Automatic system cleanup of secure data
- Can be used only in Bittium Secure OS mode
- Secure shutdown after lost network connectivity based on configurable time
- Application whitelist

### 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
- 2 factor authentication with NFC dongle

### Connectivity

- 5G sub-6
- Private Network
- eSIM
- Bluetooth® 5.4
- WiFi 6E 802.11
- a/b/g/n/ac/6e/7 GPS/A-GPS
- USB-C 3.1 with Desktop Mode
- Type C audio
- NFC
- USB tactical radio support

### 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 rear-facing camera
- 50MP front-facing 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 165.6mm x 77.9mm x 11.55mm
- Weight 250g
- IP68 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