

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, defence 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, please contact:
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Military-grade resilience

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



Security built in layers

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



Quantum-safe communications

Bittium SafeMove® Mobile VPN and SafeMove Comms® provide quantum-safe, NATO Restricted-level communications



Certified security

Designed for NATO and EU certifications for classified collaboration.



Tactical usage

Complete solution for military use with dedicated tactical features, complementary software, and accessories

Operating system

- Android™ 16 (or newer)
- Available with Google applications pre-installed
- Multicontainer

Chipsets

- Qualcomm® Dragonwing™ Q-6690 FP4

Memory

- 12GB/256GB + MicroSD support

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
- 16-pin external accessory connector

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

Sensors

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

Physical buttons

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

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)

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

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



Complementary software

Bittium SafeMove®

- SafeMove Mobile VPN for quantum-safe, always-on connectivity
- SafeMove EMM for device and application management
- SafeMove Comms for quantum-safe, end-to-end encrypted messages, voice, video, and group calls

More details available in separate datasheets.