

Bittium

Bittium Tough Mobile™ 2 Tactical



The ultra secure Bittium Tough Mobile™ 2

smartphone and its secure software solutions are the perfect additions to your tactical communications system. Combined with Bittium Tough SDR Handheld™ tactical radio and dedicated accessories, it is a tactical solution that enhances situational awareness securely and reliably.

When Tough Mobile 2 is connected to the Tough SDR Handheld radio or other compatible radios, it can utilize the tactical network the radio is part of. For effective operational use, the solution has been tested with multiple battle management (BMS) applications, such as SitaWare and ATAK.

Bittium Secure Call™ application offers end-to-end encrypted voice, video, and

messaging. It can be deployed in closed tactical networks with no dependency on public Internet or cloud services.

Uninterrupted power supply for both Tough Mobile 2 and Tough SDR Handheld is ensured by the portable and high-capacity Bittium Tactical Power Pack™ with its hot swap functionality.

Benefits

- › Ultra secure mobile communications in tactical communications networks
- › Compatible with Bittium Tough SDR Handheld™ and 3rd party MANET radios
- › Effective operational use together with battle management applications
- › Uninterrupted power supply with Bittium Tactical Power Pack™
- › Dedicated tactical case and mount for easy hands-free usage

FOR MORE INFORMATION, PLEASE CONTACT:

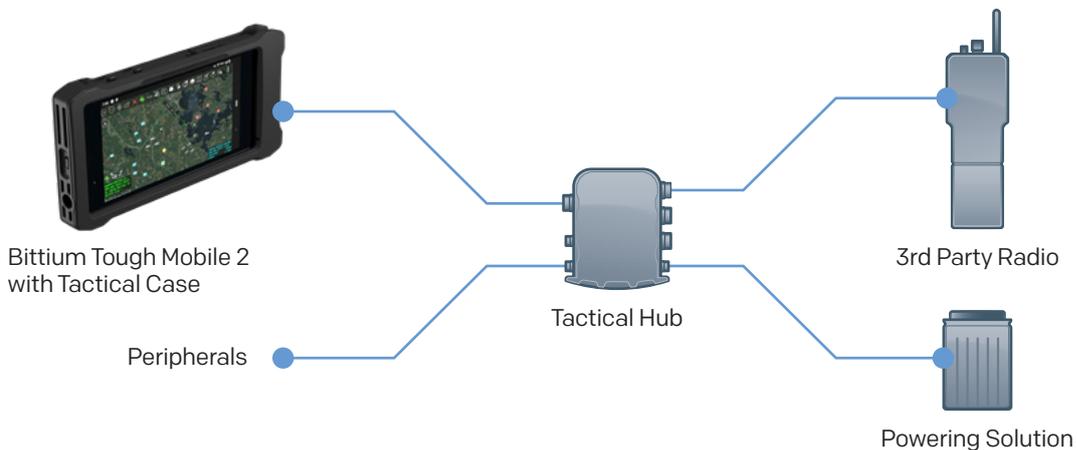
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Bittium Tough Mobile™ 2 Tactical

Tough Mobile 2 is not only ultra secure, but it is also MIL-STD-810G compliant. Durability is further enhanced by the Tactical Case. Configurable hardware buttons can be used for quick access to PTT, BMS or other mission-critical functions.



Example of 3rd Party Tactical Extension



Complete Tactical Solution



Bittium
Tough Mobile™ 2



Tactical Case &
MOLLE Mount



Data & Power
Delivery
Cabling



Bittium Tough
SDR Handheld™



Bittium Tactical
Power Pack™



Battery
Eliminator
for Handheld

In addition to the hardware elements, Tough Mobile 2 is offered with software solutions for secure communications and device management.

- › Bittium Secure Call™ for end-to-end encrypted voice, video, and messaging.
- › Bittium Secure Suite™ including MDM and VPN.

Bittium Tough Mobile™ 2 Tactical Specifications

Bittium Tough Mobile™ 2

- › Designed and manufactured in Finland
- › Hardware based, multi-layered security architecture
- › Configurable hardware keys (PTT, Emergency & Privacy buttons)
- › Android 10 with different versions (GMS, non-GMS, dual-boot)
- › Military-grade durability (IP67/MIL-STD 810G)
- › Excellent usability with gloves
- › Support for RNDIS
- › See separate datasheet for more information

Product code: several product variants available

Tough Mobile 2 Tactical Case

- › Rugged casing by Juggernaut for effortless access to Tough Mobile 2
- › Connectivity to tactical radios, hubs, audio accessories, and USB sensors
- › Quick Disconnect thumb screw attachment
- › Several cabling options

Product code: 9404601

MOLLE Mount for Tough Mobile 2 Tactical Case

- › Integrates the Tough Mobile 2 Tactical Case to any PALS/MOLLE webbing platform or body armor rigs
- › Adjustable friction hinge, allows user to adjust the phone in a fixed position
- › Flexible polymer material that bends

Product code: 9404602

Bittium Tough SDR Handheld™

- › Advanced software-defined tactical radio for dismounted soldiers
- › Secure communications over narrowband and wideband waveforms
- › Widest frequency range, 30 MHz to 2500 MHz, enables frequency agility and less interference
- › Unique application sandbox providing flexibility for integration of different C2 applications, such as BMS and blue force tracking
- › See separate datasheet for more information

Product code: 9400132

Battery Eliminator for Handheld

- › Connects Tactical Power Pack with Tough SDR Handheld

Product code: 9404505

Bittium Tactical Power Pack™

- › Consists of an adapter and two 70 Wh Tough SDR Handheld batteries
- › Battery eliminator Tough SDR Handheld pins: 15VDC, GND, SMBUS
- › Single battery use
- › Dual battery use (hot swap)
- › Button to indicate state of charge for batteries (upper/lower battery)
- › Operating temperature -20°C ...+55°C
- › See separate datasheet for more information

Product code for adapter: 9305310

Product code for battery: 9304758

Data & Power Delivery Cabling

- › Tough SDR Handheld transmits both data and power to Tough Mobile 2 via the combination of an adapter cable and USB power delivery cable
- › The adapter cable allows use of different USB power delivery net warrior cables with the Tough SDR Handheld

Product code for adapter cable: 5501213

Product code for USB power delivery cable: several options available

3rd Party Tactical Extension

- › Tough Mobile 2 Tactical Case is compatible with Juggernaut SLEEV QD cables
- › NATO STANAG 4695 Nett Warrior Soldier Power Connectivity compliant cables and tactical hubs available from third parties