# Bittium

## Bittium Tough VolP Field Phone™ 2



Bittium Tough VoIP Field Phone 2<sup>™</sup> is a robust VoIP phone that has been designed for tactical networks and provides PTT functionality.

The Field Phone 2 provides IP telecommunication with Bittium Tough VoIP Service™ or 3rd party SIP servers. The phone's multiple network and peripheral interfaces, several powering options and accessories ensure easy deployment and applicability to different use cases.

VoIP connectivity can be achieved via field wire, Ethernet or even over Wi-Fi whereas wireless local connectivity, USB, and Serial/Audio interfaces extend possibilities for various peripheral connectivity needs. Optionally, wireless connectivity can be disabled or removed to ensure radio silence in all situations.

### Benefits

- Extensive connectivity with field wire, LAN, USB, Wi-Fi,
- Bittium Tactical Power Pack™, DC, PoE, or USB
- Bittium Tough VoIP Service™ or

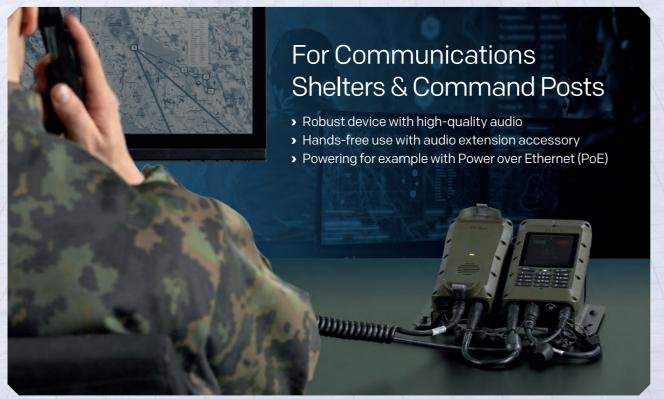
### Use case examples

- Rugged VoIP phone in
- Chained VoIP telephony with field wire Hands-free use with Bittium Tough

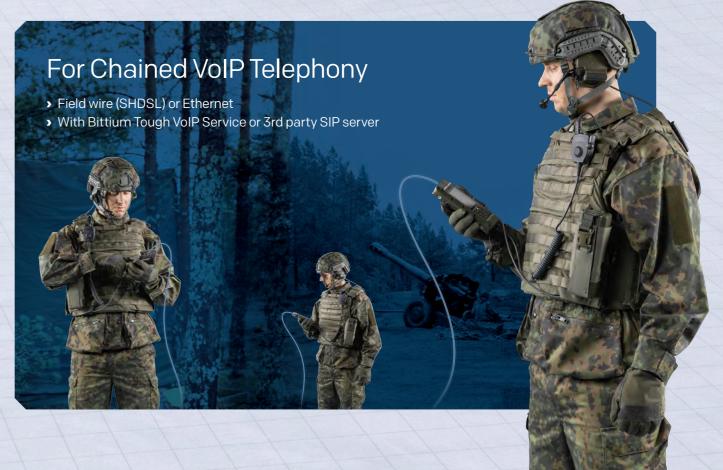
FOR MORE INFORMATION, PLEASE CONTACT:

# Bittium Tough VoIP Field Phone™ 2 Use Case Examples









### Bittium Tough VoIP Field Phone™ 2

### Specifications

#### **Features**

- Supports Bittium Tough VoIP Service<sup>™</sup> (TVS) functions either by direct dialing codes or from the graphical user interface
- > Connectivity to 3rd party SIP servers
- Automatic or static IP address configuration
- Support for several subscriber features (e.g. call transfer, call waiting, put-on-hold)
- > Push-to-talk (PTT)
- > Subscriber presence status
- > Instant messaging
- Support for local / remote LDAP phonebook
- > Linux firewall
- > PIN code
- > Keylock (configurable)

#### **Device Management**

- GUI / Web user interface for device configuration
- Easy and quick setup of multiple devices
- > Single or parallel SW update

#### **Device Interfaces**

- > Status LED
- Display

Large, TFT LCD full color display Size: 3.5 inches diagonal Resolution: 320 x 240 pixels

› Keypad

2 function keys below the display, 12 number keys

> Buzzer

Buzzer for ringtone

#### **Physical Interfaces**

> Power 12-32 VDC

> SHDSL

Two ITU-T G991.2 (G.SHDSL) interfaces, push-and-release connector for field wire

» I A N

Two 10BASE-T/100BASE-TX interfaces with PoE 802.3af input

> Audio/serial

Audio interface for connecting handset/headset incl. two serial ports and push-to-talk signals

USB USBv2.0 host port and USB power input

#### Wireless Interfaces

- > GPS
- > WLAN client 802.11 bgn
- Wireless local connectivity for headset (Hands-Free Profile)

#### **Technical Specifications**

Signalling protocols SIP (RFC 3261) over UDP/TCP/TCP-TLS SDP (RFC 4566) Presence event package (RFC 3856)

> Voice signaling

RTP/RTCP (RFC 3550) Telephone events (RFC 2833)

Phonebook

LDAP (RFC 451)

› Audio codecs

G.711, G.729AB, GSM, Speex, Opus, MELPe 2400

> Environmental and EMC standards

MIL-STD-810G MIL-STD-461F MIL-STD-1275E > Power supply

Power consumption 7 W (device), max. 5 W SB power feed Power input 12 – 32 VDC, alternative power inputs are LAN (PoE) and USB

- > Operating temperature range
  - 40 °C / +55 °C
- Ingress protection class
   IP67, also for open connectors
- > Dimensions

183 x 90 x 30 mm (without handset and handset holder)

- 201 x 100 x 102 mm (with handset holder and handset mounted in the holder)
- Weight

580 g

(without handset and handset holder)

- 1000 g (with handset and handset holder)
- Material
  Surface treated aluminum alloy/plastic
- Declaration of Conformity
  CF

#### **Accessories**

- 9400088 Bittium Tough Comnode Audio Extension™
- ▶ Bittium Tactical Power Pack™
- > 9305310 Adapter Power Pack
- > 9304758 Battery SDR HH
- 5501070 Comnode Power Pack interface cable
- > 9304639 Handset
- > 9304602 Handset holder
- > 9100658 Headset
- > 9304911 Mounting Plate (wall/table)
- 9304967 Mounting Plate (wall/table) with audio extension
- > 9101670 Equipment Bag
- Cables

Field Phone 2 product code: 9404768

Item is subject to export control law (EU2021/821): 5A002.a.2 dual-use item.