TacPoint
Situational Awareness Software

Features and Benefits

- Situational Awareness
- Blue Force Tracking
- Command and Control
- Built-In Offline Base Maps: Vector and Image
- Touch-Screen User Interface Design
- Tracklogs, Zones, Alarms
- Messaging: Chat, Email, File Transfer, Template-Based Forms
- Digital Voice Call Establishment
- Interoperability with RT Devices: RT1, RT3, RT5 and RT7
- Secure Digital Voice Support
- Access Control
- Multi-Network: Upper and Lower Network Support

Empowering Commanders

TacPoint is a situational awareness application that aids commanders in operational theatre visualisation and communication. This powerful software serves as a self-contained, field-portable digital view of the battlefield edge, revolutionising how company and platoon-level commanders perceive and interact with the battlefield.

The positions of RT devices and other symbols are overlaid on a comprehensive built-in offline base map and combined with easy-to-use chat messaging to individuals or all members of the group. The intuitive interface can be used for command and control, tracking, navigation and coordination.

Multiple Network Interconnect

Commanders are often required to operate within a lower-level network while simultaneously reporting to an upper-level network. TacPoint simplifies this challenge by enabling connection to two separate RT device networks, with optional automatic route-through for information such as blue force positions.

RapidM

Product Datasheet
Copyright © 2025 Rapid Mobile (Pty) Ltd

REACHING
BEYOND
BOUNDARIES

Situational Awareness

FRIENDLY SYMBOLS (BLUE)

TacPoint enables its operator to track friendly units. Track log trails are provided for all friendly units. The speed and bearing of friendly units are displayed on the map.

NEUTRAL SYMBOLS (GREEN)

Neutral symbols, such as reference points, can be created and sent to all users in the network. Neutral symbols can also be received from RT tactical terminals in the operational theatre.

HOSTILE SYMBOLS (RED)

All enemy position reports from RT tactical terminals are displayed as hostile symbols on the map. These reports can also be created using TacPoint.

COUNTER INSURGENCE SYMBOLS (PURPLE)

All Counter Insurgence (COIN) reports from RT tactical terminals are displayed as COIN symbols on the map. These reports can also be created using TacPoint.

Attack and Emergency Alerts

RT tactical terminals can transmit attack and emergency QuickCode alerts. These alerts are drawn as friendly symbol modifiers on the TacPoint map.

Zones and Events

A rich set of geofencing zone creation tools are available to the operator, who is able to define forbidden and safe zones that generate alarm events upon the entry or exit of a friendly unit. Proximity zones can be created around symbols. Pre-defined messages can be defined and sent when a zone event occurs.

Navigation

TacPoint displays the operator's own speed and bearing on the map in an intuitive manner. Any symbol on the map can be tracked. The distance and bearing to the tracked symbol is provided.

Security

Access to the software is restricted by means of an access code.

Messaging

TacPoint users can easily communicate via threaded chat messages. Files can be transferred and even emails can be composed.

A collection of template-based forms provide an easy structured way to send reports such as ATTACK ALERT, CASEVAC, MEDEVAC, SITRAP, OBSREP, METREP, COIN ALERT, LZ REP and many more.

Delivery status of messages are indicated to the user.

Voice Support

TacPoint provides voice call information and voice call control capabilities to the operator. A recent call list and missed call indications are also available to the operator. By default, voice has priority over data.

Touch Screen Design

The TacPoint user interface has been designed to be used from a touch interface as is commonly found in tablet PCs. The on-screen keypad and button sizes have been designed to be large enough so as to be easily usable.

TacPoint Software

Command and Control	Voice	Secure Digital and Analogue Call Creation, Answer and Status Information
	Positions	Point Creation and Position Push, Blue Force Position Push and Pull
	Messaging	Text Messages, SMS, QuickCodes, File Transfer, Template-Based Forms
	Visualisation	Tracklogs, Zones – Safe and Danger, Proximity Alarms
	Radio Network	Activity Indication, RX and TX Data Type Indication
Mapping		IHO Publication S-52 and S-57 ENC Maps Support Global Satellite Image Base Maps Included, with Scale up to 1:250,000 Region-Specific Satellite Image Maps Available, with Scale up to 1:70,000 Region-Specific Vector Maps Available, with Scale up to 1:2,000 Maps Partially Sourced from ©OpenMapTiles, ©OpenSeaMaps and ©OpenStreetMap
Voice Support		Secure Digital and Analogue Voice Support. Point-to-Point (Private Line) or Broadcast Calls.
Operating Systems		Windows 7, 8, 10 and 11; Linux
Minimum System Requirements		512 GB HDD/SDD Storage – Depends Upon the Desired Map Region 8GB RAM Memory 10/100 Ethernet Port	Touch Screen or Keyboard and Mouse 4:3 Aspect Ratio – Minimum 1024 × 768 Pixel Display 16:9 Aspect Ratio – Minimum 1280 × 720 Pixel Display

RT CommandPoint Interfaces

Modem/Radio	Ethernet TCP/IP
Display	Optimised for 4:3 or 16:9 Aspect Ratio Touchscreen Displays

Ordering Information	Stock Number	Description
TacPoint Software V4	RAP-PC-C2SWCVE4	PC SW: TacPoint, UM EN V4