



# Victor

Victor is pre-loaded with our Tracy field software. When turned on, Victor automatically connects to TRIUMPH-1 or TRIUMPH-4X via its internal Bluetooth and guides you through field operations. It manages the GNSS receiver and modem operations automatically.

Victor is rugged, powerful, waterproof, shockproof and versatile. It meets IP 67 and Mil-Std-810F standards for drop, vibration, altitude, immersion, humidity, sand/dust, and operating temperature. It is manufactured for us by Juniper Systems, the leading supplier of mobile platforms.

# VICTOR

## Processor

- Intel XScale PXA270, 520 MHz

## Operating System

- Microsoft Windows Mobile Version 5.0
- Non-volatile, secure, stored in Flash, protected from accidental erasure
- Available with in 16 languages including Chinese-simplified, Chinese-traditional, Danish, Dutch, English, Finnish, French, German, Italian, Japanese, Korean, Norwegian, Portuguese, Russian, Spanish, Swedish

## Memory (RAM)

- 128 MB low-power RAM
- OS uses RAM more efficiently, providing more memory for larger applications and databases

## Data Storage

- Internal solid-state 256 MB / 512 MB Flash disk
- Data and applications securely stored in Flash

## Wireless Communication Options

- Integrated Bluetooth wireless technology option. Class II receiver allows connectivity with Bluetooth technology devices within 30 feet (10m). Bluetooth technology profiles supported: serial port (SPP), dial-up networking (DUN), object push (OPP), human interface device (HID), and printer.
- Supports CF or SD Bluetooth technology cards
- Wi-Fi supported (requires SD or CF Wi-Fi adapter card for wireless networking)
- Wireless cellular modem for wide area communication

## CF and SD Card Slots

- Compact Flash: Type I or Type II for data storage and other peripherals
- Secure Digital (SD or SDIO) can be used with memory cards and other peripherals
- User accessible, fully sealed
- Optional extended cap for GPS, Bluetooth, cellular modems, barcode, and other extended cards

## High Contrast Color Display

- Active viewing area: 3.5" diagonal (89 mm)
- High visibility TFT active matrix transreflective LCD
- Transreflective technology gives brilliant contrast, even in direct sunlight
- VGA, 240 x 320 pixels, selectable portrait or landscape view
- Backlit LCD

## Touchscreen

- Sealed, resistive, pressure sensitive touchscreen
- Convenient on board stylus storage, tetherable stylus

## Communications Module

- COM 1: 9-pin sub D connector, full modem control signals, 5V @ 200 mA available on DTR pin, controlled by DTR
- USB host (Mini A) can control other devices
- USB device (Mini B) synchronizes information to the desktop
- 12 VDC jack for power input and battery charging (wall mount or vehicle charger), 10 V - 18 V
- Modular, field replaceable, can be customized

## Physical

- Size: 165 x 89 x 43 mm
- Weight: 482 g
- Magnesium case with elastomer overmold

## Keyboard

- Four-way directional button
- Standard key functions include:
  - Start - menu of applications
  - Application Manager - manages applications
  - Home - today screen
  - Context - activates context sensitive menu
  - Return - activates enter function
- Keys can be user-defined
- LED backlit keys

## Enunciators

- External power/charge LED indicates battery charging status
- Notification LED to alert the user of events on the device
- Other enunciators on system tray

## Environmental

- Operating temperature: -30° to 50° C ( Bluetooth wireless technology is rated to -20° C)
- Storage temperature: -30° to 60° C
- Waterproof and dustproof, IP67
- Shockproof: multiple drops from 5 ft (1.5 m) onto concrete through temperatures ranging from -30° to 50° C
- MIL-STD-810F: water, humidity, sand and dust, vibration, altitude, shock high temperature, low temperature, temperature shock
- NEW model available that is FM Approved Non-incendive Class 1 Div 2 per approval standard FM 3611 in the U.S. and Canada for use in hazardous conditions

## Power

- Intelligent, rechargeable, lightweight Li-Ion battery pack, 14.04 W-h (nom.)
- Operates for more than 20 hours on one charge
- Battery easily changed in the field without tools
- Dynamic, efficient low voltage power design

- 12 V vehicle power input connector for charging or direct power input
- Intelligent battery notifies user when battery needs charging and protects battery from overcharging
- Charges in 3 to 5 hours
- Battery contacts sealed when battery is in place
- Victor internal circuitry sealed against moisture even when battery is removed
- Power off mode extends battery during long periods of inactivity

## Software Included

- Microsoft Internet Explorer Mobile
- Microsoft Office Mobile: Word Mobile, Excel Mobile, PowerPoint Mobile
- Microsoft Outlook Mobile, which includes: Inbox, Calendar,
- Contacts, Instant Messaging, Tasks, Notes, Spell checker
- Microsoft ActiveSync 4.1 for desktop PC
- Terminal Services Client (can control your desktop from the Victor)
- Microsoft Windows Media Player 10 Mobile
- Calculator, Pictures and Videos (image and video viewer) and Games
- Voice Recorder
- Handwriting Recognition
- Tracy field software

## Development Environment

- SDK for Windows Mobile supports:
  - Embedded Visual C++ version. 4.0
  - Visual Studio 2005

## Standard Accessories Included with the Victor

- Rechargeable Li-Ion battery
- AC charger (universal voltage)
- USB cable
- Captured full-size stylus
- Handstrap
- Screen protectors
- Quick Start Guide
- Microsoft Getting Started CD
- User Documentation CD
- Certifications
  - FCC Class A
  - European CE Mark
  - FM Approved Non-incendive Class 1 Div 2 per approval standard FM 3611 in the U.S. and Canada for use in hazardous conditions

## Real Time Clock

- Keeps correct date and time, even during long-term battery removal

Specifications are subject to change without notice.



**JAVAD GNSS**  
[www.javad.com](http://www.javad.com)

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