



IN-SITU

Rugged Reader® Handheld PC



Collect, store, analyze, and transfer data using the versatile RuggedReader Handheld PC. When connected to In-Situ® Inc.'s water level or water quality instruments, the RuggedReader Handheld PC functions as a reliable, easy-to-use data management system. Durable construction stands up to regular field use and harsh conditions.

Field-Ready Computer

- IP67-rated construction protects against dust, rain, and accidental submersion.
- High-visibility, color LCD allows for easy viewing in all weather and lighting conditions.
- Intelligent lithium-ion battery operates for a full workday on one charge and cannot be overcharged.

Key Features

- Wireless communications
- Waterproof, shockproof, and dustproof
- Intuitive Win-Situ Mobile Software interface
- Field computer compatible with In-Situ water level and water quality instruments

Multipurpose Design

- With Win-Situ® Mobile Software, you can view and log data in real time, set up tests, download data, calibrate sensors, and view calibration reports.
- You can communicate with several In-Situ instruments: Aqua TROLL® 100/200; Level TROLL® 300/500/700; Rugged TROLL® 100/200; and TROLL® 9500.
- Microsoft® Windows® Mobile® 6 and Microsoft Office Mobile are included. Or upload software that you regularly use on the job.



Powerful Processing & Communications

- Intel® 520 MHz processor offers fast navigation and processing.
- Internal solid-state flash disk (512 MB) secures internal storage of data and applications.
- Low-power, 128 MB RAM provides additional memory for integrating GPS or **Bluetooth® Wireless Technology** with two user-accessible expansion slots (CF or SD).
- Integrated **Bluetooth® Wireless Technology** option has a range of 20 m (65 ft).

Processor

- Intel® XScale® PXA270, 520 MHz

Operating System

- Microsoft® Windows® Mobile® 6 Operating System with tutorial

Memory (RAM)

- 128 MB low-power RAM

Data Storage

- Internal solid-state 512 MB flash
- Data and applications securely stored in flash. Non-volatile; protected from accidental erasure

Physical

- Size: 16.5 cm length x 8.9 cm width x 4.3 cm depth (6.5 in x 3.5 in x 1.7 in)
- Weight: 482 g (17 oz.) with battery
- Magnesium case with impact absorbing overmold

Environmental

- Operating temperature: -30° to 55° C (-22° to 130° F)
- Storage temperature: -30° to 60° C (-22° to 140° F)
- Battery charging temperature: 0° to 40° C (32° to 104° F)
- IP67 waterproof and dustproof
- Shockproof: Multiple drops from 1.5 m (5 ft) onto concrete through temperatures ranging from -30° to 50° C (-22° to 122° F)
- MIL-STD-810F: Water, humidity, sand, dust, vibration, altitude, shock, and temperature

High-Contrast Color Display and Touchscreen

- Active viewing area: 8.9 cm (3.5 in) QVGA (240 x 320 pixels); portrait or landscape view
- High visibility active matrix TFT transfective backlit LCD
- Sealed, resistive, pressure sensitive

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. SD/SDHC, SDIO supported.
- User accessible, fully sealed
- Optional extended cap for camera, GPS, cellular modems, bar code scanner, and other expansion cards

Wireless Communication Options

- Integrated **Bluetooth®** or **Bluetooth®**-supported with CF or SDIO Bluetooth® technology card. 2.0 +EDR, Class 1 receiver allows connectivity with **Bluetooth®** technology devices up to 20 m (65 ft).
- Wi-Fi supported (requires SDIO or CF Wi-Fi adapter card for wireless networking)
- Wireless cellular modem supported for wide area communication (requires CF modem card)

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Communications Module

- COM 1: RS232 serial 9-pin connector with 5 VDC @ 200 mA on DTR pin 4
- USB host (Mini A) can control other devices
- USB client (Mini B) synchronizes information to other computers
- 12 VDC jack for power input and battery charging (wall mount or vehicle charger)



Software Included

- Win-Situ® Mobile, Pocket-Situ, Win-Situ® Sync
- Microsoft® Internet Explorer® Mobile
- Microsoft® Office Mobile: Word®, Excel®, and PowerPoint® Mobile
- Microsoft® Outlook® Mobile
- Microsoft® ActiveSync® 4.5 for desktop or laptop computer
- Terminal Services Client (can control your desktop)
- Microsoft® Windows® Media Player 10 Mobile
- Calculator, pictures, videos (image and video viewer), and games
- Voice recorder
- Handwriting recognition

Standard Accessories

- Rechargeable, intelligent Li-ion battery, 14 W-hr (nom.)
- Screen protector (1); captured full-size stylus (1)
- AC charger (universal voltage); universal plugs (US, UK, EU, and Aus)
- In-Situ® Quick Start Guide
- USB synch cable
- Microsoft CD-ROM; In-Situ® Software CD
- Hand strap
- Car charger
- Communications connector cover

Enunciators

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

Certifications

- FCC Class B; European CE Mark; EN60950; RoHS compliant; FM Approved Class I, Div. 2

Real-Time Clock

- Keeps correct date and time, even during long-term battery removal
- ± 3 min. per 30 days

Warranty

- 1-year limited warranty



24/7 Support

In-Situ technical support specialists assist with instrument setup, application support, and troubleshooting. Call for free technical support—24 hours a day, 7 days a week.