

RuggedReader® Handheld PC

The ultra-rugged handheld PC designed for use with water level and water quality monitoring instruments



Features

- **Rugged construction**
- **Waterproof design (IP67)**
- **User-accessible expansion**
- **Wireless communications**

Collect, store, analyze, and transfer data using this multi-purpose, handheld PC. When connected to any of In-Situ® Inc.'s TROLL® water level or water quality instruments, the RuggedReader® handheld PC functions as a reliable, easy-to-use data management system that will stand up to the harshest conditions.

Field-ready computer

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

Multi-purpose design

- View and log data in real time, set up tests, download data, calibrate sensors, and view calibration reports with Win-Situ® Mobile software.
- Use with Level TROLL 100, 200, 300, 500, and 700; Aqua TROLL® 100 and 200; TROLL® 9500 and 9000; and miniTROLL® instruments.
- Increase productivity with Microsoft® Windows® Mobile® 5 software, which includes Internet Explorer®, Word®, Excel®, PowerPoint®, Outlook®, ActiveSync®, and more.

Powerful processing and communications

- Intel® 520 MHz processor offers fast navigation and processing.
- Internal solid-state Flash disk (256 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 SDIO).
- Integrated Bluetooth® wireless technology option has a range of 30 feet (9 m).

RuggedReader® Handheld PC Specifications

Processor

- Intel® XScale® PXA270, 520 MHz

Operating System

- Microsoft® Windows Mobile® 5.0 operating system with tutorial

Memory (RAM)

- 128 MB low-power RAM

Data Storage

- Primary storage: Internal solid-state 256 MB Flash
- Secondary storage: Internal solid-state 128 MB Flash (portion reserved for OS)
- Data and applications securely stored in Flash. Non-volatile; protected from accidental erasure

Physical

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

Environmental

- Operating temperature for devices without internal Bluetooth® wireless technology: -22° to 130° F (-30° to 55° C)
- Operating temperature for devices with internal Bluetooth® wireless technology: -4° to 122° F (-20° to 50° C)
- Storage temperature: -22° to 140° F (-30° to 60° C)
- Battery charging temperature: 32° to 104° F (0° to 40° C)
- Waterproof and dustproof, IP67 rated
- Shockproof: Multiple drops from 5 ft (1.5 m) onto concrete through temperatures ranging from -22° to 122° F (-30° to 50° C)
- MIL-STD-810F: Water, humidity, sand, dust, vibration, altitude, shock, temperature

High-Contrast Color Display and Touchscreen

- Active viewing area: 3.5 in (8.9 cm) diagonal; portrait or landscape view
- High visibility TFT active Matrix transreflective LCD with LED backlight
- ¼ VGA, 240 x 320 pixels
- 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
- 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 2 receiver allows connectivity with Bluetooth® technology devices up to 30 ft (9 m).
- 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)

Communications Module

- COM 1: RS232 serial 9-pin connector with 5 V @ 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® 4.0 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 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



CALL TO PURCHASE OR RENT



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