RuggedReader® 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).
RuggedReader® Handheld PC

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 transflective 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)

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 computer
• 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

Encunicators
• 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.

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