

Archer Field PC™

Ultra-Rugged with Windows Mobile 5.0

The Archer is your reliable tool for in-the-field information management. It is rugged, powerful, and versatile to handle your most demanding needs.

Capture, map, or navigate using GPS options. Communicate wirelessly via Bluetooth, Wi-Fi, or cellular modems. Snap pictures using a CF or SD camera. Use Windows Office Mobile applications.

Rough and Tough

- Waterproof to IP67, shockproof
- Magnesium case with easy-to-grip over-molding

Field-Friendly

- Pocket sized, ergonomically sculpted case
- Lightweight, form fits your hand
- Large, tactile, tough, backlit keys
- Portrait or landscape screen orientation

Packed with Power

- Windows Mobile 5.0
- Intel XScale PXA270 operating at 520 MHz

Vibrant Color Display

- TFT active matrix color display with backlight
- Excellent visibility in all lighting conditions

Intelligent Battery

- Rechargeable Li-Ion Battery
- Long battery life, charges quickly
- Knows and shows battery status
- Easily changed in the field without tools, sealed



Keep in Touch

- Outlook Mobile with PC synchronization
- Real Time Clock
- Wireless via Bluetooth, Wi-Fi, or modems

Office Mobile Programs

- Mobile versions of Excel, Internet Explorer, Word
- Compatible with Windows Mobile applications

Fully Sealed Expandability

- User accessible CF and SD card slots
- Extended Cap for use with GPS, camera, cellular modem, bar code, and oversized cards

Versatile Communications Module

- USB Host and Client plus 9-pin RS-232
- Multipurpose use with peripheral devices
- Customize for specialized applications
- Easily cleaned and replaced in the field

archer

ROCK SOLID, FIELD READY

SPECIFICATIONS

Processor

- Intel® XScale® PXA270, 520 MHz

Operating System

- Microsoft® Windows Mobile™ Version 5.0
- Non-volatile, secure, stored in Flash, protected from accidental erasure

Memory (RAM)

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

Data Storage

- Internal solid-state 128 MB Flash disk
- Data and applications securely stored in Flash

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, 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 transfective LCD
- Transfective technology gives brilliant contrast, even in direct sunlight
- ¼ 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 (patent pending)

- COM 1: 9-pin sub D connector with 5 V power on 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)
- Modular, field replaceable, can be customized

Physical

- Size: 6.5" length x 3.5" wide x 1.7" thin (165 x 89 x 43 mm)
- Weight: 17 ounces (482 grams)
- Magnesium case with elastomer overmold

Keyboard

- Quad arrow (up, down, left, right)
- Standard key functions include:
 - Start - menu of applications
 - Task - switches tasks
 - Home - home desktop
 - Context - activates context sensitive menu
 - Return - activates enter function
 - Record - launches audio recording function
 - Screen rotation - portrait or landscape view
- 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: -22 to 122° F (-30 to 50° C)
- Storage temperature: -22 to 140° F (-30 to 60° C)

- Waterproof and dustproof, IP67
- Shockproof: multiple drops from 5 ft (1.5 m) onto concrete through temperatures ranging from -22 to 122° F degrees (-30 to 50° C)
- MIL-STD-810F: water, humidity, sand and dust, vibration, altitude, shock

Power

- Intelligent, rechargeable, lightweight Li-Ion battery pack, 14.04 W-h (nom.)
- Operates for more than 20 hours on one charge
- Easily changed in the field without tools
- Dynamic, efficient low voltage power design
- 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 4 hours
- Battery contacts sealed when battery is in place
- Archer 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® 4.0 for desktop PC
- Terminal Services Client (can control your desktop from the Archer)
- Microsoft® Windows Media® Player 1.0 Mobile
- Calculator, Pictures and Videos (image and video viewer) and Games
- Voice Recorder
- Voice Command
- Handwriting Recognition

Development Environment

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

Standard Accessories

- Rechargeable Li-Ion battery
- AC charger (universal voltage)
- USB cable
- Captured full-size stylus
- Handstrap
- Screen protector
- Quick Start Guide
- Microsoft CD-ROM
- On-line User's Guide

Wireless Communication Options

- Bluetooth-supported with CF or SD Bluetooth card
- Wi-Fi supported (requires SD or CF Wi-Fi adapter card for wireless networking)
- Wireless cellular modem for wide area communication

Certifications

- FCC Class A
- European CE Mark

Real Time Clock

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

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