

Ultra-Rugged PDA for harsh environments



MIL-STD-810F

- > Bright colour display
- > Ergonomic design
- > Lightweight
- > Tough magnesium case
- > Large backlit keys

The ultra-rugged Archer NATO Green is your reliable field companion. It is rock solid and field ready in the most extreme environments.

Use it to document, navigate, communicate, look up and share information. Designed for Windows Mobile® 5.0, the Archer features a wide variety of application software choices.

Extend your horizons by using the Archer Field PC with peripheral sensors, or custom configure your Archer NATO Green for specialized applications. Its function focused form fits in your hand like a glove and stows conveniently in your pocket when packing it along. Depend on the Archer for your field information technology. It is ready for you.



Connections Abound



- Multipurpose use with peripheral devices
- Both USB Host and Client plus 9-pin RS-232
- Customize for specialized applications
- Easy to clean and maintain

Open to Options



- Add GPS, camera, bar code scanner, RFID, or data storage via user accessible CF and SD cards
- Communicate wirelessly via internal Bluetooth® wireless technology option, Wi-Fi, or cellular modems

Solutions-Oriented



- Use extended caps with CF and SD peripheral devices
- Extended caps are fully sealed and shockproof, protecting your peripheral devices
- Collect points, map, or navigate using GPS options

Design features With you in mind



- Captured full-size stylus
- Hidden cable routing channel
- Orient screen for portrait or landscape view with a touch of a button

Power-Packed



- Long battery life and quickly charged
- Knows and shows battery status
- Easily changed in the field without tools

Field Ready



- Lightweight, form fits your hand with easy-to-grip over-molding
- Ultra-rugged for use in extreme environments
- Large, tactile, backlit keys
- Use Microsoft® Office Mobile applications

Please contact us for more information

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Processor

- Intel® XScale® PXA270, 520 MHz

Operating System

- Windows Mobile® 6.1
- Non-volatile, secure, stored in Flash, protected from accidental erasure

Memory (RAM)

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

Data Storage

- Internal solid-state 256 or 512 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, bar code, and other extended cards

High Contrast Colour Display

- Active viewing area: 3.5» (89 mm) diagonal
- High visibility active matrix TFT transfective LCD
- Transfective technology gives brilliant contrast, even in direct sunlight
- ¼ VGA, 240 x 320 pixels, selectable for portrait or landscape view
- Backlit LCD

Touch screen

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

Communications Module

- COM 1: 9-pin sub D connector with 5 V power on DTR to power other devices such as a GPS receiver or external bar code reader
- 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, can be customized
- Field replaceable

Physical

- Size: 6.5» length x 3.5» wide x 1.7» thin (165 x 89 x 43 mm)
- Weight: 17 oz (482 g)
- Magnesium case with scratch resistant metallic powder coat
- Easy to grip over-moulding

Keyboard

- Four-way directional button
- Standard key functions include:
 - Start - menu of applications
 - Applications Manager - manages applications
 - Home - Today Screen
 - Context Menu - activates context sensitive menu
 - Return - activates enter function

- Keys can be user-defined
- LED backlit keys

Real Time Clock

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

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 (-30 to 50° C)
- MIL-STD-810F: water, humidity, sand and dust, vibration, altitude, shock, high temperature, low temperature, temperature shock

Power

- Intelligent, rechargeable, lightweight Li-Ion battery pack, 14 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 4 to 6 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

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

Software Included

- Microsoft® Internet Explorer Mobile
- Microsoft® Office Mobile Applications: Word Mobile, Excel® Mobile, PowerPoint® Mobile
- Microsoft® Office Mobile: Inbox, Calendar, Contacts, Instant Messaging, Tasks, Notes, Spell checker
- Microsoft® ActiveSync® 4.x for desktop PC
- Terminal Services Client (can control your desktop from the Archer NATO Green)
- Microsoft® Windows Media® Player 10 Mobile
- Calculator, games, pictures and videos (image and video viewer)
- Voice recorder
- 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
- Hand strap
- Screen protector
- Quick Start Guide
- MS Getting Started CD
- User Documentation CD

Wireless Communication Options

- Internal Bluetooth® wireless technology option, Class 2
- Bluetooth® wireless technology, Class 1 supported (requires SD or CF card)
- Wi-Fi supported (requires SD or CF Wi-Fi card for wireless networking)
- Wireless cellular modem for wide area communication

Certifications

- FCC Class A
- European CE Mark

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