



Non-incendive Class 1, Div 2 Archer Specifications (www.junipersys.com, 10/29/2010)

Processor

- Intel XScale PXA270, 520 MHz

Operating System

- Microsoft Windows Mobile 6.1 Classic operating system
Non-volatile, secure, stored in Flash, protected from accidental erasure
- Available with in 16 languages including Chinese-simplified, Chinese-traditional, Danish, Dutch, English, Finnish, French, German, Italian, Japanese, Korean, Norwegian, Portuguese, Russian, Spanish, Swedish

Memory (RAM)

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

Data Storage

- 512 MB Flash disk
- Data and applications securely stored in Flash

Wireless Communication Options

- Integrated Bluetooth wireless technology option. Class II receiver allows connectivity with Bluetooth technology devices within 30 feet (10m). Bluetooth technology profiles supported: serial port (SPP), dial-up networking (DUN), object push (OPP), human interface device (HID), and printer.
- Supports CF or SD Bluetooth technology cards
- Wi-Fi supported (requires SD or CF Wi-Fi adapter card for wireless networking)
- Wireless cellular modem for wide area communication

CF and SD Card Slots

- Compact Flash: Type I or Type II for data storage and other peripherals
- Secure Digital (SD, SDIO, SDHC) can be used with memory cards and other peripherals
- User accessible, fully sealed
- Optional extended cap for 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
- 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, full modem control signals, 5V @ 200 mA available on DTR pin, controlled by 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), 10 V - 18 V
- 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 available in orange or subdued tactical gray

Keyboard

- Four-way directional button
- Standard key functions include:
 - Start - menu of applications
 - Application Manager - manages applications
 - Home - today screen
 - Context - activates context sensitive menu
 - Return - activates enter function
- 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 130 degrees F (-30 to 55 C) *
- Storage temperature: -22 to 140 degrees 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 high temperature, low temperature, temperature shock
- **NEW** model available that is FM Approved Non-incendive Class 1 Div 2 per approval standard FM 3611 in the U.S. and Canada for use in hazardous conditions

Power

- Intelligent, rechargeable, lightweight Li-Ion battery pack, 14.04 W-h (nom.)
- Operates for up to 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

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 4.1 for desktop PC
- Terminal Services Client (can control your desktop from the Archer)
- Microsoft Windows Media Player 10 Mobile
- Calculator, Pictures and Videos (image and video viewer) and Games
- Voice Recorder
- Handwriting Recognition

Development Environment

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

Standard Accessories Included with the Archer

- Rechargeable Li-Ion battery
- AC charger (universal voltage)
- USB cable
- Captured full-size stylus
- Handstrap
- Screen protectors
- Quick Start Guide
- Microsoft Getting Started CD
- User Documentation CD

Certifications

- FCC Class A
- European CE Mark

- FM Approved Non-incendive Class 1 Div 2 per approval standard FM 3611 in the U.S. and Canada for use in hazardous conditions

Real Time Clock

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

*Note: Specifications are subject to change without notice. * Bluetooth wireless technology is rated to -4 degrees F (-20 degrees C).*