

archer²

Product Specifications

PROCESSOR

- 1.0GHz ARM Cortex A8 i.MX53 processor

OPERATING SYSTEM AND SOFTWARE

- Microsoft® Windows Embedded Handheld 6.5.3
- Microsoft Office Mobile 2010* (Word Mobile, Excel Mobile, PowerPoint Mobile, Outlook Mobile)
- Multiple languages (English, French, Spanish, German, Portuguese)

MEMORY AND DATA STORAGE

- 512MB RAM
- 8GB flash storage
- User-accessible micro SD/SDHC slot

DISPLAY

- Active viewing area: 4.3" (109 mm) WVGA LCD TFT (800x480)
- High visibility backlit LCD
- Portrait or landscape orientation



TOUCH SCREEN

- Projected capacitive touch interface "optically bonded" to display for increased visibility
- Chemically-strengthened glass

KEYBOARD

- Adjustable LED backlit keys
- Five-way directional numpad
- Numeric keypad (6 user reassignable)
- OEM configurable/customizable

PORTS

- COM1, RS-232C 9-pin D connector with 5VDC power output
- USB host (Full A), USB client (Micro B)
- 12, 24VDC @ 1.5-3.5A, 10-36V unregulated
- 3.5 mm audio jack, supports speaker/microphone or stereo output (pin detect)
- I/O module OEM configurable/customizable



BATTERY

- Intelligent Li-Ion battery 3.6VDC @ 10600mAh, 38.16Whr
- Operates for up to 10 hours on one charge
- Charges in 2 to 4 hours
- Battery easily changeable in field
- Optimized for excellent performance in cold temperatures

PHYSICAL

- Size, Standard models: 3.6" w x 7.25" l x 1.5" d (91 mm x 184 mm x 38 mm)
- Weight: 1.3 lbs (590 g)
- Durable hardened plastic in a shear-proof and shock-resistant design
- Strong chemical resistance
- Comfortable, wide hand strap
- Easy-to-grip, impact-absorbing bumpers

JUNIPER RUGGED™

- IP68 waterproof and dustproof
- Operating temperature: -22F to 131F (-30C to 55C)
- Storage temperature: -22F to 158F (-30C to 70C)
Note: Bluetooth® wireless technology is rated to -4F (-20C)
- Shockproof: multiple drops from 4'-5' (1.2-1.5 m) onto concrete

- MIL-STD-810G test procedures: Method 500.5 Low Pressure (Altitude); Method 501.5 High Temperature; Method 502.5 Low Temperature; Method 503.5 Temperature Shock; Method 506.5 Rain; Method 507.5 Humidity; Method 510.5 Sand and Dust; Method 512.5 Immersion; Method 514.6 Vibration; Method 516.6 Shock

WIRELESS CONNECTIVITY OPTIONS

- Bluetooth® wireless technology, 2.1 +EDR, Class 1.5, range 100 feet (30 m)
- Wi-Fi 802.11b/g/n with extended range
- 3.75G modem - Pentaband Worldwide (Geo 3G model only)
- Frequencies: HSPA+/UMTS: 800/850/900/1800/1900/2100 MHz (Supports micro-SIM card only)
- Data communication interface, SMS



CAMERA (GEO MODELS):

- 5MP resolution with autofocus and LED Illuminator + video capture
- Juniper Geotagging™: embed and emboss photo with date, time, and GPS position

GPS/GNSS (GEO MODELS):

- 2 to 5 meter typical accuracy with post-processing capability for better accuracy
- Enhanced performance under heavy canopy
- GPS, GLONASS, GALILEO, COMPASS, SBAS L1
- Integrated real-time SBAS receiver (WAAS, EGNOS, etc.)
- 32 GNSS tracking channels

BARCODE 1D/2D IMAGER (BC MODELS)

- Built-in barcode imager and decoder
- Symbologies: all common 1D and 2D (PDF 417, MicroPDF417, Composite, RSS, TLC-39, Data matrix, QR code, Micro QR code, Aztec, MaxiCode, Postal codes, etc.)
- Programmable trigger buttons
- Visible aiming crosshair with low light illumination
- Barcode Connector™ Utility, wedge and configuration, SDK support available

CERTIFICATIONS AND STANDARDS

- FCC Class B
- CE Marking (applicable EMC, R&TTE, and LVD directives)
- Industry Canada
- EN60950 Safety
- RoHS Compliant

STANDARD ACCESSORIES

- 10600mAh battery
- AC wall charger with international plug kit
- Micro USB client sync cable
- Quick Start Guide
- Ultra-wide hand strap
- Shipping box
- Screwdriver

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*Not included on OEM programs

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systems