

Archer 2 Specifications



PHYSICAL DIMENSIONS: (Standard Archer 2)

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

PROCESSOR

- 1.0GHz ARM Cortex A8 i.MX53 processor

PORTS

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

MEMORY AND DATA STORAGE

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

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)

POWER

- Intelligent Li-Ion battery 3.7VDC @ 1600mAh, 38.7Whr
- Operates for up to 20 hours on one charge
- Charges in 2 to 4 hours
- Battery easily changeable in field
- Optimized for excellent performance in cold temperatures

DISPLAY

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

TOUCHSCREEN

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

KEYBOARD

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

WIRELESS CONNECTIVITY OPTIONS

- Bluetooth® wireless technology, 2.1 + EDR, Class 1.5
- 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)

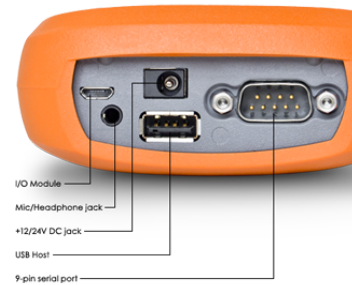
- 5MP resolution with autofocus and LED Illuminator + video capture
- Juniper Geotagging™: embed and emboss photo with date, time, and GPS position

GPS/GNSS (GEO MODELS)

- High-sensitivity GPS/GLONASS/SBAS receiver
- User settings for enhanced performance under canopy
- Accuracy: SBAS 2 meters;

JUNIPER RUGGED™

- IP68 waterproof and dustproof
- Operating temperature: -22 to 140 degrees F (-30 to 60 C), Note: Bluetooth® wireless technology is rated to -4 F (-20 C)
- Storage temperature: -22 to 158 degrees F (-30 to 70 C)
- Shockproof: multiple drops from 5' (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



ARCHER 2 MODELS

Choose between three models.

Standard Model:

- Wi-Fi® & Bluetooth® wireless technology
- Geo Model:
- Wi-Fi® & Bluetooth® wireless technology
- GPS
- 5MP camera

Geo Cell Model:

- Wi-Fi® & Bluetooth® wireless technology
- GPS
- 5MP camera
- 3.75G GSM modem

CERTIFICATIONS AND STANDARDS

All models of the Archer 2 must be certified and approved to be sold into individual countries.

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

STANDARD ACCESSORIES INCLUDED WITH THE ARCHER 2

- 10600mAh battery
- AC wall charger with international plug kit
- Micro USB client sync cable
- Quick Start Guide
- Ultra-wide hand strap
- Shipping box with sleeve
- Screwdriver
- Capacitive stylus with tether
- 2-year warranty

- autonomous 5 meters
- NMEA and BINR output
- 32 channel all-in-view tracking



OPTIONAL ACCESSORIES

- 8GB industrial-grade micro SDHC
- Capacitive stylus with tether kit
- Holster case
- Flip cover fitted case

MicroSurvey, FieldGenius, OfficeSync, and MapScenes are registered with the U.S. Patent and Trademark Office by MicroSurvey Software Inc. Powered by Autodesk Technology, and AutoCAD are registered trademarks of Autodesk, Inc. © 2012 MicroSurvey Software Inc.