

ARCHER 4 RUGGED HANDHELD DATA COLLECTOR

Collect and manage critical pipeline data from virtually anywhere.

Modernize your field data collection with the Archer 4, designed for demanding pipeline and utility environments.

MOBILITY WITHOUT COMPROMISE

Rugged handheld durability with a sunlight-readable display, high-resolution camera, and 5G connectivity — built for all-day field use.

RELIABLE CONNECTIVITY

Stay connected with 5G, Wi-Fi 6E, Bluetooth® 5.2, Dual-SIM, and USB-C — wherever field work takes you.

STREAMLINED FIELD DATA COLLECTION

Pair with FDC to collect, review, and manage field data more efficiently throughout the workday.

ULTRA-RUGGED

IP68 and MIL-STD-810H rated to perform in rain, dust, temperature extremes, and demanding field environments.

HIGH-ACCURACY GPS

The Archer 4 GNSS Expansion Pod is included to support sub-meter accuracy.



ARCHER 4 HIGHLIGHTS

- ✓ Fully compatible with the latest release of PCS Field Data Collector software
- ✓ Sunlight-readable 6.26" FHD+ display with wet-touch capability
- ✓ 5G connectivity with Wi-Fi 6E and Bluetooth® 5.2
- ✓ IP68 and MIL-STD-810H rated
- ✓ Android 16 with upgradeable OS support
- ✓ 8300 mAh extended battery with hot-swap support
- ✓ 48 MP rear camera with LED illumination



ARCHER 4 SPECIFICATIONS

PLATFORM

Processor	Qualcomm® QCM4490 octa-core, up to 2.4 GHz
Operating System	Android™ 16 (upgradeable through Android 18)
Memory	8 GB RAM
Storage	128 GB internal; MicroSDXC up to 512 GB

DISPLAY

Size	6.26" FHD+ (2280 x 1080)
Features	Sunlight-readable, wet-touch, Gorilla® Glass 5

CONNECTIVITY

Cellular	5G with 4G LTE fallback
Wireless	Wi-Fi 6E, Bluetooth® 5.2, NFC
SIM	Dual Nano SIM
Ports	USB-C (5 Gbps, power delivery)

CAMERA

Front Camera	16 MP
Rear Camera	48 MP with LED illumination

GPS & POSITIONING

GPS	GPS, GLONASS, BeiDou, Galileo, QZSS
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BATTERY

Extended	8300 mAh
Hot-Swap	Internal 300 mAh backup

PHYSICAL

Weight	0.72–0.87 lbs (325–395 g)
Dimensions	174 x 85 x 22 mm (extended battery)

ENVIRONMENTAL

Ingress Protection	IP68
Military Standard	MIL-STD-810H
Operating Temp	-4°F to 140°F (-20°C to 60°C)

CERTIFICATIONS

Certifications	FCC, Industry Canada
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FREQUENTLY ASKED QUESTIONS (FAQs)

What FDC version is required to support the Archer 4?

The Archer 4 requires PCS Field Data Collector version 2.3.2 or later, which also adds support for Android 16 and iOS 26.

Is the Archer 4 compatible with existing FDC workflows?

Yes. The Archer 4 fully supports all FDC field data collection workflows, including annual surveys, periodic surveys, DCVG surveys, close interval surveys, and asset inspections.

What connectivity options does the Archer 4 support?

The Archer 4 supports 5G with 4G LTE fallback, Wi-Fi 6E, Bluetooth® 5.2, Dual-SIM, NFC, and USB-C.

Does the Archer 4 from American Innovations support high-accuracy GPS?

Yes. The GNSS Expansion Pod supports sub-meter accuracy for your demanding project requirements.



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