IDCR@FT
RFID & NFC EXPERTS

IP68 - Rugged Handheld
Juniper - Archer 4

- Various RFID options on request
- Google ARCore certified
- 5G, WiFi, Bluetooth 5.2, GPS
- Upgradable through Android 18
- IP68 & MIL-STD-810H

IP68 - Rugged Handheld
Android 14 - Operating System

The Archer 4 Rugged Handheld is the latest release in the Archer family of products and is an exciting new platform for efficient mobile data collection. Built with years of usability in mind, the Android 14 operating system is compatible to update through version 18. The power-efficient processor paired with multiple battery options allows users to choose the configuration that works for their job and the length of their workday. The ultra-rugged yet ergonomic design means users across industries and rugged environments can collect and share data knowing their device protects their data and keeps them connected. With the optional GNSS Expansion Pod, users can achieve RTK-enabled centimeter-level accuracy even in remote environments.

From its ergonomic enclosure to its sunlight-readable display, down to its 20-hour battery life, the Archer 4 is built for long workdays wherever the job takes you.

Compatible with most Android applications, its Android 14 operating system provides users with a reliable platform for running popular data collection software.

The Archer 4 is a powerful communication device. Featuring 5G cellular connectivity, the Archer 4 allows for mobile workers to stay connected and get work done.

Common Applications

- Field Service
- Manufacturing
- Offshore
- Energy & Power
- Mapping

TECHNICAL SPECIFICATIONS

Physical Characteristics

Dimension	174 x 85 x 15 mm (with 4500 mAh battery) 174 x 85 x 22 mm (with 8300 mAh battery)
Weight	325–395 g Depending on battery & expansion configuration
Display	500 Nits typical Screen size (diagonal): 6.26" (159 mm) Screen resolution: 2280 x 1080 FHD+
Touch Panel	Capacitive multi-touch interface for wet conditions. Chemically-strengthened Gorilla® Glass 5. Optimized for extreme environments including wet touch
Power	Removable Li-ion battery Battery size: 4500 mAh (standard) or 8300 mAh (optional upgrade) Internal 300 mAh battery allows for hot-swapping
Expansion Slot	MicroSDXC Card Storage up to 512 GB
SIM	Dual Nano SIM card slots
Network Connections	5G with 4G LTE fallback, Wi-Fi®: 6E, Bluetooth® 5.2, GLONASS, Beidou, Galileo, QZSS
Interface Ports	USB Type-C (5 Gbps, 5V power delivery), OTG

Performance Characteristics

CPU	Qualcomm® QCM4490 octa-core up to 2.4 GHz
Operating System	Android™ 14
Memory	Memory (RAM): 8 GB Internal Storage (ROM): 128 GB MicroSDXC Card Storage up to 512 GB

User Enviroment

Operating Temperature	-20 °C to +60 °C
Sealing	IP68 waterproof & dustproof

Data Capture

Scanning	Optional 1D/2D barcode add-on Optional RTK-enabled GNSS receiver
Camera	Front: 16 MP Rear: 48 MP with LED illumination

General Certifications

IC/FCC/CE, UKCA, ROHS, REACH, REACH Restriction Article, EU, POP, WEEE, California Prop 65, TSCA, Bluetooth SIG, RCM, Japan Radio (TELEC,JATE), Brazil ANATEL, SCIP, Canada Prohibition, ERP, CEC, DOE, PTCRB, Global Certification Forum (GCF), AT&T Network Approved

Meets MIL-STD-810H test procedures:
Method 500.6 Low Pressure, Method 501.7, High Temperature, 502.7 Low Temperature, 503.7 Temperature Shock, 506.6 Rain, 507.6 Humidity, 510.7 Sand and Dust, 512.6 Immersion, 514.8 Vibration, 516.8 Shock

Part No. / Model

	Juniper - Archer 4