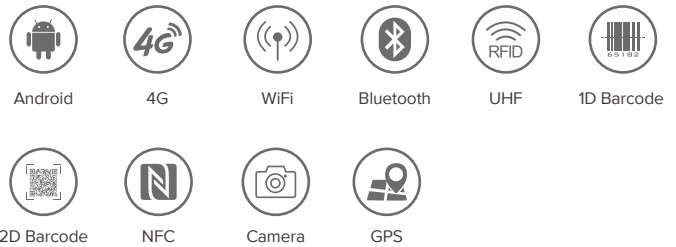


# AI-HT-T4 RFID



## Handheld RFID Reader



Android rugged mobile computer. It features powerful processor, 8000mAh battery and superb UHF RFID capability. It can be equipped with Impinj E710 / R2000 linearly or circularly polarized antenna. That it can read tags in bulk from long distance enables it to be deployed in asset management, retail, warehousing, fleet management and etc.



# Specification

## Performance

<b>Operating System</b>	Android 11; GMS, FOTA, SafeUEM supported. Committed support for a future upgrade to Android 12, 13, and Android 14 pending feasibility
<b>CPU</b>	Cortex-A53 2.3 GHz Octa-core
<b>RAM+ROM</b>	3 GB + 32 GB / 4 GB + 64 GB (optional)
<b>Expansion</b>	Supports up to 128 GB Micro SD card

## Communication

<b>WLAN</b>	IEEE802.11 a/b/g/n/ac, 2.4G/5G dual-band, internal antenna
<b>Bluetooth</b>	Bluetooth 5.0
<b>GNSS</b>	GPS/AGPS, GLONASS, BeiDou; internal antenna
<b>WWAN</b>	2G: GSM850/GSM900/DCS1800/PCS1900
	3G: WCDMA: B1/B2/B4/B5/B8 CDMA2000 EVDO: BCO TD-SCDMA: A/F
	4G: B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B28A/B28B/B34/B38/B39/B40/B41

## Physical Characteristics

<b>Dimensions</b>	164.2 x 80.0 x 24.3 mm / 6.46 x 3.15 x 0.96 in.
<b>Weight</b>	654 g / 23.07 oz.
<b>Display</b>	5.2" IPS LTPS 1920 x 1080
<b>Touch Panel</b>	Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported
<b>Power</b>	Li-ion, rechargeable, 8000 mAh
	Standby: over 500 hours
	Continuous use: over 12 hours (depending on user environment) Charging time: 3-4 hours (with standard adaptor and USB cable)
<b>Expansion Slot</b>	1 slot for Nano SIM card, 1 slot for Nano SIM or TF card
<b>Interfaces</b>	USB 2.0 Type-C, OTG, Type-C headphones supported
<b>Sensors</b>	Light sensor, proximity sensor, gravity sensor
<b>Notification</b>	Sound, LED indicator
<b>Audio</b>	1 microphone; 1 speaker; receiver
<b>Keypad</b>	4 front keys, 1 power key, 2 scan keys, 1 multifunctional key

## User Environment

<b>Operating Temp.</b>	-4 °F to 122 °F / -20 °C to 50 °C
<b>Storage Temp.</b>	-40 °F to 158 °F / -40 °C to 70 °C
<b>Humidity</b>	5% RH - 95% RH non condensing
<b>Drop Specification</b>	Multiple 1.5 m / 4.9 ft. drops (at least 20 times) to the concrete across the operating temperature range
<b>Tumble Specification</b>	1000 x 0.5 m / 1.64 ft. falls at room temperature
<b>Sealing</b>	IP65 per IEC sealing specifications
<b>ESD</b>	±15 KV air discharge, ±6 KV conductive discharge

## Developing Environment

<b>SDK</b>	Chainway Software Development Kit
<b>Language</b>	Java
<b>Tool</b>	Eclipse / Android Studio

## Data Collection

### Camera

<b>Camera</b>	13 MP Autofocus with flash
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### RFID (Optional)

#### UHF

<b>Engine</b>	CM710-1 module based on Impinj E710 CM2000-1 module based on Impinj Indy R2000	
<b>Frequency</b>	865-868 MHz / 920-925 MHz / 902-928 MHz	
<b>Protocol</b>	EPC C1 GEN2 / ISO18000-6C	
<b>Antenna</b>	Circular polarization (4dBi), linear polarization(1.8dBi)	
<b>Power</b>	1 W (30 dBm, +5 dBm to +30 dBm adjustable)	
	2 W Optional (33 dBm, for Latin America, etc.)	
<b>Max Read Range</b>	Impinj E710 chip: 26m (Impinj MR6 tag, size 70 x 15mm) 28m (Impinj M750 tag, size 70 x 15mm) 30m (Alien H3 Anti-Metal tag, size 130 x 42mm)	
	Impinj R2000 chip: 24m (Impinj MR6 tag, size 70 x 15mm) 24m (Impinj M750 tag, size 70 x 15mm) 28m (Alien H3 Anti-Metal tag, size 130 x 42mm)	
	<b>Fastest Read Rate</b>	1300+ tags/sec (circular polarization)
	* Ranges are measured in the open outdoors and low interference environment, and rate is measured in a laboratory low interference environment, they are affected by tags and environment.	

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### Barcode Scanning (Optional)

<b>1D Linear Scanner</b>	Zebra: SE965; Honeywell: N4313
<b>1D Symbologies</b>	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
<b>2D Imager Scanner</b>	Zebra: SE4710 / SE4750SR / SE4750MR / SE4750DP; Honeywell: N6603; CM60
<b>2D Symbologies</b>	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX), etc.

### NFC (Optional)

<b>Frequency</b>	13.56 MHz
<b>Protocol</b>	ISO14443A/B, ISO15693, NFC-IP1, NFC-IP2, etc.
<b>Chips</b>	M1 card (S50, S70), CPU card, NFC tags, etc.
<b>Range</b>	2-4 cm

### Accessories

<b>Standard</b>	AC Adaptor, USB Cable, etc.
<b>Optional</b>	Cradle, Holster , etc.

\* For detailed specification, please check Accessory Guide.