CHAINWAY®



C72

Handheld RFID Reader

Android
4G
Wi-Fi
Bluetooth
UHF
1D Barcode
2D Barcode
NFC
Camera
GPS

Chainway C72 is an Android rugged mobile computer. It features powerful processor, 8000mAh battery and superb UHF RFID capability with the latest Impinj Gen2X technology. It can be equipped with Impinj E Series chips circularly polarized antenna. 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

Operating System	Android 11/13; GMS, 90-day security updates, Zero-Touch, FOTA, Soti MobiControl, SafeUEM supported.
CPU	Octa-core 2.3 GHz
RAM+ROM	4GB + 128GB / 4GB +64GB (Optional)
Expansion	Supports up to 256GB Micro SD (TF) card

Communication

WLAN	IEEE802.11 a/b/g/n/ac, 2.4G/5G dual-band, internal antenna
Bluetooth	Bluetooth 5.0
GNSS	GPS/AGPS, GLONASS, BeiDou; internal antenna
WWAN	2G: GSM850/GSM900/DCS1800/PCS1900
	3G: WCDMA: B1/B2/B4/B5/B8 CDMA2000 EVDO: BC0 TD-SCDMA: A/F
	4G: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B20/B28A/B28B/B34/B38/B39/B40/B41

Physical Characteristics

Dimensions	Host: 166.2 x 81.1 x 24.1 mm / 6.54 x 3.19 x 0.95 in. Dimensions with UHF handle: 177 x 88.6 x 145.8 mm / 6.97 in. x 3.49 in. x 5.74 in.
Weight	Host: 375 g / 13.23 oz. Dimensions with UHF handle: 673 g / 23.74 oz.
Display	5.2" IPS LTPS 1920 x 1080
Touch Panel	Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported
Power	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)
Expansion Slot	1 slot for Nano SIM card, 1 slot for Nano SIM or TF card
Interfaces	USB 2.0 Type-C, OTG, Type-C headphones supported
Sensors	Light sensor, proximity sensor, gravity sensor
Notification	Sound, LED indicator
Audio	1 microphone; 1 speaker; receiver
Keypad	4 front keys, 1 power key, 2 scan keys, 1 multifunctional key

User Environment

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

Developing Environment

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

Data Collection

Camera

Camera	13 MP Autofocus with flash

RFID (Optional)

UHF

Engine	Based on Impinj E Series chips
Frequency	865-868 MHz / 920-925 MHz / 902-928 MHz
Impinj Gen2X	Supported
Protocol	EPC C1 GEN2 / ISO18000-6C
Antenna	Circular polarization
Power	1 W (30 dBm, +5 dBm to +30 dBm adjustable)
	2 W Optional (33 dBm, for Latin America, etc.)
Max Read Range	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)
Fastest Read Rate	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.

Barcode Scanning (Optional)

1D Linear Scanner	Honeywell: N4313
1D Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
2D Imager Scanner	Zebra: SE4710 / SE4750SR / SE4750MR / SE4750DP; Honeywell: N6603; CM60
2D Symbologies	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

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

Accessories

Standard	AC Adaptor, USB Cable, etc.
Optional	Cradle, Holster , etc.

* For detailed specification, please check Accessory Guide.