CHAINWAY®

C72

UHF RFID Reader

Android | 4G | WiFi | Bluetooth | UHF | 1D Barcode | 2D Barcode | IRIS | NFC | Camera | GPS

Chainway C72 is an Android rugged mobile computer. It features quad-core processor, 8000mAh battery and superb UHF RFID capability. It can be equipped with 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

Physical Characteristics

Dimensions	164.2 x 80.0 x 24.3mm / 6.46 x 3.15 x 0.96in
Weight	654g / 23.07oz
Display	5.2" IPS FHD 1920x1080
Touch Panel	Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported
Power	Li-ion, rechargeable, 8000mAh
	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 SIM card, 1 slot for SIM or TF card
Interfaces	USB 2.0 Type-C, OTG
Audio	Speaker, 2 microphones
Keypad	4 front keys, 1 power key, 2 scan keys, 1 multifunctional key
Sensors	Gravity sensor, light sensor, proximity sensor

Performance

CPU	Cortex-A53 Quad-core 1.3GHz
RAM+ROM	2GB+16GB
Expansion	Supports up to 32 GB Micro SD card

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 1.5m/4.9ft drops (at least 20 times) to the concrete across the operating temperature range
Tumble Specification	1000 x 0.5m/1.6ft falls at room temperature
Sealing	Host IP65 per IEC sealing specifications
ESD	±8KV air discharge, ±4KV conductive discharge

Developing Environment

Operating System	Android 6.0
SDK	Chainway Software Development Kit
Language	Java
Tool	Eclipse / Android Studio

Communication

WLAN	IEEE802.11 a/b/g/n, 2.4G/5G dual-band, internal antenna
WWAN(Europe)	2G: 850/900/1800/1900MHz
	3G: 850/900/1900/2100MHz
	4G: B1, B3, B5, B7, B8, B20, B40
WWAN(America)	2G: 850/900/1800/1900MHz
	3G: 850/900/1700/1900MHz
	4G: B2, B4, B7, B12, B17
WWAN (China)	2G: 900/1800MHz
	3G: 900/1900/2000/2100MHz
	4G: B1, B3, B5, B38, B39, B40, B41
WWAN (Others)	Depending on the country's ISP
Bluetooth	Bluetooth 4.0, BLE
GNSS	GPS/AGPS, GLONASS, BeiDou; internal antenna

Data Collection

Camera

Camera	13MP Autofocus with flash

RFID (Optional)

UHF

Frequency	865MHz-868MHz / 920-925MHz / 902-928MHz
Protocol	EPC C1 GEN2 / ISO18000-6C
Antenna	Linear polarization(1.8dBi); circular polarization (4dBi)
Power	1W (30dBm, +5dBm to +30dBm adjustable)
R/W range	＞25m (circular polarization, indoors); ＞10m (circular polarization, open outdoors); ＞21m (linear polarization, indoors); ＞7m (linear polarization, open outdoors)
Reading rate	＞200 tags/s (circular polarization)

* Ranges and rates depend on tags and environment

Barcode Scanning (Optional)

1D Linear Scanner	Zebra SE965 / 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 / SE4750 / SE4750MR; Honeywell: N6603
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.

Iris (optional)

Rate	<150ms
Range	20-40cm
FAR	1/10000000
Protocol	ISO/IEC 19794-6，GB/T 20979-2007

NFC (optional)

Frequency	13.56MHz

Accessories(See details in Accessory Guide)

Cradle (Optional)

AC Adaptor

USB Cable

Pistol

Holster

Notice: Product specifications are subject to change without prior notice. / Model: C72 / Update Date: 2018-08-23

CHAINWAY®

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