C5

Handheld RFID Reader

Android	4G	WiFi	Bluetooth	RFID	1D Barcode	2D Barcode	NFC	Camera	GPS	PSAM	Fingerprint

Chainway C5 is an upgraded all-in-one high-performance UHF RFID Reader. It has Integrated a self-developed Impinj E710/R2000 based UHF module which offers industry-leading UHF performance. C5 adopts an integrated design, provides more stable UHF performance, and delivers higher durability. The superior system configuration of the mobile computer features the Android 11 platform, octa-core processor, optional mass internal memory and a large capacity removable battery. C5 also supports 2D scanning, NFC, fingerprint recognition and other functions, which enables it to be widely used in scenarios like banking, public security, warehousing, retail, logistics and other industries.

Specification

Performance

CPU	Octa-core, 2.3GHz
RAM+ROM	3GB + 32GB / 4GB +64GB (Optional) / 6GB + 128GB (Optional)
Expansion	Supports up to 128GB Micro SD card
Operating System	Android 11

Communication

WLAN	802.11 a / b / g / n / ac, 2.4G / 5G dual-band
WWAN	2G: GSM (B2 / B3 / B5 / B8)
	3G: WCDMA (B1 / B2 / B4 / B5 / B8) CDMA2000 ECDO: BC0
	4G: B1 / B2 / B3 / B4 / B5 / B7 / B8 / B12 / B17 / B20 / B28A / B28B / B38 / B39 / B40 / B41
Bluetooth	5.0
Vo-LTE	Support
GNSS	GPS / AGPS, GLONASS, BeiDou, Galileo

Physical Characteristics

Dimensions	177.0 x 80.2 x 14.8mm / 6.97 x 3.15 x 0.58in
Weight	598g / 21.09oz. (device with battery)
Display	5-inch (Fingerprint), 1280 x 720 / 6-inch, 2160 x 1080
Touch Panel	Multi-touch panel, gloves and wet hands supported;
Battery	6700mAh / 134000mAh removable pistol battery
	Built in 100mAh backup battery, supporting battery hot swap
Card slot	2 slots for PSAM card; 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
Audio	2 microphones, 1 for noise cancellation; 1 speakers; 1 receiver
Notification	Sound, LED indicator, vibrator
Keypad	1 power key, 2 scan keys, 1 user-defined key, 2 volume keys (+/-)
Sensor	Gravity sensor, proximity sensor, light sensor, geomagnetic sensor (optional), gyroscope (optional)

Developing Environment

SDK	Software Development Kit
Language	Java
Tool	Eclipse / Android Studio

User Environment

Operating Temp.	-20 °C to 50 °C / 4 °F to 122 °F
Storage Temp.	-40 °C to 70 °C / -40 °F to 158 °F
Humidity	5%RH to 95%RH (non condensing)
Drop Specification	Multiple 1.5m / 5.9ft. drops (at least 28 times) to the concrete across the operating temperature range
Tumble Specification	1000 x 0.5m / 1.64 ft. falls at room temperature
Sealing	IP65 per IEC sealing specifications
ESD	±15KV air discharge, ±8KV conductive discharge

Data Collection

Camera

Front camera	5MP
Rear camera	Rear 13MP Autofocus with flash

UHF

Protocol	EPCglobal Gen 2 (ISO18000-6C)
Frequency	865-868MHz / 920-925MHz / 902-928MHz
Engine	CM710-1 module based on Impinj E710 CM2000-1 module based on Impinj Indy R2000
Output power	1W (30dBm, +5dBm to +30dBm adjustable)
	2W Optional (33dBm, for Latin America, etc.)
Antenna	Circular polarization; 5dBi / 4dBi (NFC supported)
Fastest Read Rate	950+ tags / sec (Circular Polarized)

* Ranges and rates depend on tags and environment

Fingerprint (Optional)

Fingerprint	TLK1NC02

NFC (Optional)

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

Barcode Scanning (Optional)

2D Scanner	CM60; Zebra: SE4710
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 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.

Accessories

USB Cable, Adapter, Charging Cradle for device (optional), Charging Cradle for Pistol Battery (optional), etc.

* Please check details in accessories guide