Technology Solutions for Retail

C72 RFID Reader



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

The C72 is a rugged Android RFID reader. It features a powerful processor, an 8000 mAh battery and excellent UHF RFID capability, and can be equipped with an Impinj E710 / R2000 circular polarized antenna. Its ability to read tags in bulk at long range makes it ideal for asset management, retail, warehousing, fleet management and more.







GL Retail & Investments LLC
20801 Biscayne Blvd, Suite 403, Aventura, FL 33180, USA
Phone: +1 (786) 537-3615
david@glretail.us
glretail.us

Specifications

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	3GB + 32GB / 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/B17/B20/B28A/B28B/B34/B38/B39/B40/B41

Physical Characteristics

Dimensions	164.2 x 80.0 x 24.3 mm / 6.46 x 3.15 x 0.96 in.
Weight	654 g / 23.07 oz.
Display	5.2" IPS LTPS 1920 x 1080
Touch panel	Corning Gorilla Glass, multi-touch panel, works with gloves and wet hands
Battery	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 adapter and USB cable)
Expansion Slot	1 for Nano SIM card, 1 for Nano SIM or TF card
Interfaces	USB 2.0 Type-C, OTG, Type-C headphones supported
Sensors	Light, proximity and gravity sensors
Notifications	Sound, LED indicator
Audio	1 microphone; 1 speaker; receiver
Keypad	4 front keys, 1 power key, 2 scan keys, 1 multi-function 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
Drops	Multiple 1.5 m / 4.9 ft drops to concrete across the operating temperature range
Tumble	1000 x 0.5 m / 1.64 ft tumbles at room temperature
Sealing	IP65 per IEC sealing specifications
ESD	±15 KV air discharge, ±6 KV conductive discharge

Development Environment

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

Data Collection

Camera

Camera	13 MP with autofocus and flash

RFID(Optional)

UHF

Engine	CM710-1 module based on Impinj E710 CM2000-1 module based on Impinj Indy R2000
Frequency	865-868 MHz / 920-925 MHz / 902-928 MHz
Protocol	EPC C1 GEN2 / ISO18000-6C
Antenna	Circular polarization (4 dBi)
Output Power	1 W (30 dBm, adjustable from +5 dBm to +30 dBm)
	2 W Optional (33 dBm, for Latin America, etc.)
Maximum Read Range	Impinj E710 chip: 26 m (Impinj MR6 tag, size 70 x 15 mm) 28 m (Impinj M750 tag, size 70 x 15 mm) 30 m (Alien H3 Anti-Metal tag, size 130 x 42 mm)
	Impinj R2000 chip: 24 m (Impinj MR6 tag, size 70 x 15 mm) 24 m (Impinj M750 tag, size 70 x 15 mm) 28 m (Alien H3 Anti-Metal tag, size 130 x 42 mm)
Fastest Read Rate	1300+ tags/second (circular polarization)

*Ranges are measured outdoors in open areas with low interference, and the rate is measured in a low-interference lab environment; both are affected by the tags and the 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	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 (Optional)

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 adapter, USB cable, etc.
Optional	Cradle, holster, etc.

*For detailed specifications, see the Accessories Guide.

GL Retail & Investments LLC
20801 Biscayne Blvd, Suite 403, Aventura, FL 33180, USA
Phone: +1 (786) 537-3615
david@glretail.us
glretail.us