



## HC-1

### Handheld RFID & OCR Reader



Android



4G



WiFi



GPS



UHF



1D Barcode



2D Barcode



Camera

TimeTec HC-1 is a SIRIM certified ideal rugged Android mobile reader specifically designed to read RFID tags for Malaysia's JPJe-Plate. It is built with a powerful processor, an 8000mAh battery, and robust UHF RFID capabilities. The device can be equipped with an Impinj E710 or R2000 circularly polarized antenna. Its ability to read tags in bulk from long distances makes it suitable for both authorities and commercial applications, including enforcement, compliance, fleet management, parking management, and vehicle registration.

TimeTec HC-1 also comes pre-installed with the customizable and **Enforcement App**, **Officer App** or **Installer App** which can be configured for various tasks such as JPJ ePlate validation, issuing compounds and etc. Additionally, the device is equipped with GPS for location tracking and a cloud-based, high-accuracy Optical Character Recognition (OCR) function for reading car plate numbers. The HC series Apps are integrated with HC administrative cloud-based management system, hosted on the Amazon Web Services (AWS) platform in Malaysia, making it easy to deploy.



timeteccloud



timeteccloud



info@timeteccloud.com

TimeTec © 2025, All Rights Reserved

# SPECIFICATIONS

## Performance

<b>Operating System</b>	Android 11/13; 90-days security updatesG.Zero-Touch, FOTA,Soti Mobicontrol,SafeUEM Supported
<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 256 GB Micro SD{TF} card

## Communication

<b>WLAN</b>	IEEE802.11 a/b/g/n/ac, 2.4G/5G dual-band, internal antenna
<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: 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

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

## Data Collection

### Camera

<b>Camera</b>	13 MP Autofocus with flash
---------------	----------------------------

### RFID (Optional)

#### UHF

<b>Engine</b>	CM710-1 module based on Impinj E710 CM2000-1 module based on Impinj Indy R2000
<b>Frequency</b>	919 - 923 MHz
<b>Protocol</b>	EPC C1 GEN2 / ISO18000-6C
<b>Antenna</b>	Circular polarization (4dBi)
<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 )
<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.

### Barcode Scanning (Optional)

<b>1D Linear Scanner</b>	Honeywell: N4313
<b>1D Symbolologies</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 Symbolologies</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.

## Accessories

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

\* For detailed specification, please check Accessory Guide.



HC-1

Authorized Reseller: