



# CS108 Sled Handheld for RFID/2D Barcode



CS108 is the best in class read range UHF RFID handheld sled reader in the market. It works with all Android phones, iPhones and Tablets. It enables fast inventory of items on pallets, warehouse shelves, moving vehicles, and other tagged items in business processes where fixed reader class performance is required in a portable device. CS108 is used globally in many mission critical government, industrial and commercial applications.

## Applications

Cold chain management	Quality control	Living organic materials
Temperature data logging	Evidence Tracking	Floral management
Food inspections	Cold chain transportation	Industrial composites and Chemicals tracking
Cold storage rooms	Temperature controlled pharmaceuticals	Data centers
Product authentication		

## Dimensions and Weight

Length: 161 mm (6.34 in); Width: 90 mm (3.54 in) Height: 161 mm (6.34 in); Weight: 639 g (without 2D Barcode Module)

## Read Range

Best in Class Read Range :  
 - Up to 18 meters with Linear Polarized Antenna (tag and environment dependent)  
 - Up to 15 meters with Circular Polarized Antenna (tag and environment dependent)

## Protocol

ISO18000-6C, EPC UHF Class 1 Gen 2, Dense Reader Mode available (Class 3 Gen 2 compliant)

## Frequency Range

One of the following: 865-868 MHz, 865-867 MHz, 902-928 MHz, 922-928 MHz, 920-925 MHz, 915-922 MHz, 915-921 MHz

## Tag Information

All banks, any sizes (e.g. 240 bits bank1, 512 bits bank3), Per 'Tag Read' RSSI value

## Barcode Scanner

2D module option available

## Antenna Polarization

Vertically linear / Horizontally linear / Circular polarized

## Environment

Operating Temp: -20°C to 55°C (-4°F to 131°F)  
 Storage Temp: -40°C to 75°C (-40°F to 167°F)  
 Humidity: 5% to 95% Non-condensing

## Ruggedized Design

Drop test 1.2 meters on 6 sides; IP54

## Interfaces

Android Phone, iPhone, Windows PC, Linux PC

## Battery Capacity

3,400 mAh, field replaceable  
 Option : extra battery (CS108B); external charger (CS108C)

## Source Code Samples

Read / write tag. Tag inventory / ranging / search / authentication / association / commissioning. Barcode scanning, database manipulation, wireless network transfer, server side driver, etc.

## Order Code for Frequency Regulations : CS108-V/H/C-N

- N=1: 865-868 MHz (Europe) & 865-867 MHz (India)
  - N=2: 902-928 MHz, USA & Canada & Mexico only (hopping frequencies locked)
  - N=2 AS: for 920-926 MHz, Australia only (hopping frequencies locked)
  - N=2 NZ: for 921.5-928 MHz, New Zealand only (hopping frequencies locked)
  - N=2 OFCA: for 920-925 MHz, Hong Kong only (hopping frequencies locked)
  - N=2 RW: for 902-928 MHz, Rest of the World that are subset of this band: e.g. Philippine, Brazil, Peru, Uruguay, etc.
  - N=4: 922-928 MHz, Taiwan
  - N=7: 920-925 MHz, China, Malaysia, Singapore, Thailand, etc.
  - N=8: 916.7-920.9 MHz, Japan
  - N=9: 915-921 MHz, Europe Upper Band
- (V for vertically linear polarized, H for horizontally linear polarized, C for circular polarized)

Contact us at [info@convergence.com.hk](mailto:info@convergence.com.hk) or visit our website at [www.convergence.com.hk](http://www.convergence.com.hk)

## Product Features

### Read Range :

- Best in Class Read Range:
- Up to 18 meters with Linear Polarized Antenna (tag and environment dependent)
- Up to 15 meters with Circular Polarized Antenna (tag and environment dependent)

### Country specific versions in terms of frequency bands.

Choice of **vertically linear polarized, horizontally linear polarized or circular polarized.**

**Ruggedized design:** Drop Test 1.2 meters on 6 surfaces, IP54.

### 2D Barcode Scanner Module.

**Works with all Android Phones or iPhones.**

**Android API, iPhone API, Linux API, Windows API**

