



# CS108 Sled Handheld for RFID/2D Barcode



CS108 is the longest read range UHF RFID handheld sled reader in the world. It works with all Android phones or iPhones. It enables lightning 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: 595 g (without 2D Barcode Module)

**Read Range** >18 meters outdoor and open area with DogBone Monza R6 tags from Smartrac

**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

**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 50°C (-4°F to 122°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

**Smart Phone Interface** Android Phone  
iPhone

**Battery Capacity** 3,400 mAh  
Replaceable battery

**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** CS108-V/H/C-N  
N=1: 865-868 MHz (Europe) & 865-867 MHz (India), N=2: 902-928 MHz (USA), N=4: 922-928 MHz (Taiwan), N=7: 920-925 MHz (China, Australia, Malaysia, Hong Kong etc.), N=8: 915-922 MHz (Japan)  
(V for vertically linear polarized, H for horizontally linear polarized, C for circular polarized)

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## Product Features

**Excellent read range:** >18 meters open space with DogBone Monza R6 tags. (CS108-H-2 Version)

**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.**

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

**Android API, iPhone API.**

