

# CS3151BBCD RTLS Wrist RFID Tags

## Product Profile:

CS3151BBCD is a member of the CSL RTLS RFID tag family. This family consists of Real Time Location tag that can provide up to +/- 1 meter location resolution. This wrist tag is suitable for any real-time personnel tracking applications, such as kids tracking, elderly people tracking, construction workers tracking, mountaineers tracking, animal tracking and security guards tracking etc.



USB Charging Cradle



## Features:

- +/- 1 meter location resolution
- Re-chargeable lithium battery built-in with USB charging cradle
- Built-in motion sensor, emergency alert button and temperature sensor
- Best location accuracy at lowest overall system cost in the industry
- Customer colors available

## Specifications:

Physical Characteristics:	Plastic sealed enclosure: 52 mm diameter x 14 mm thick; Weight 45 g
Read Range:	Up to 180 meters depending on reader power and physical environment
Frequency:	2400-2483 MHz ISM license-free band
Environment:	Operating Temp: -20°C to 65°C (-4°F to 149°F) Storage Temp: -40°C to 85°C (-40°F to 185°F) Humidity: 0% to 95% RH non-condensing
Technology:	CHIRP
Output RF Power:	2 dBm EIRP
Ranging Method:	Time Of Arrival (TOA)
Ranging Accuracy:	Best case up to +/- 1 meter
Protocol:	CSL RTLS Protocol, orderly inventory method to handle large tag population
Dust & Water:	IP67
Update Cycle:	1 second to 6 minutes or more (depends on configuration)
Battery:	Built-in Lithium Ion Rechargeable Battery with USB Charging Cradle
Battery Life:	2 months (assume 30% time in motion and 30 seconds update cycle)
Accessories:	USB cable included (for battery charging)
Order Code:	CS3151BBCD