CS203ETHER Integrated RFID Reader

CS203ETHER is an **All Weather and MIL-STD-810 Ruggedized** Ethernet connected UHF EPC C1G2 Integrated RFID reader. The reader has long read range and high read rate. The CS203 integrated reader is extremely versatile and can be used in all environments, indoor or outdoor, and for numerous applications including schools, warehouse dock doors, forklift mounting, parking lot gates, on-board waste disposal vehicles, highway toll stations, livestock farm, slaughter house, container port, zoos and etc. CS203ETHER is uniquely offered with either left hand or right hand circular polarization, thus allowing it to be deployed in the most extreme dense reader environment – face to face close range deployment. With the same API as CS101, CS468 and CS469 - CSL Unified API, the application development time and cost are reduced, resulting in a faster time to market.

### Applications

<table>
<thead>
<tr>
<th>Student monitoring</th>
<th>Waste disposal management</th>
<th>Auto toll gates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asset management</td>
<td>Personnel tracking</td>
<td>Animal tracking</td>
</tr>
<tr>
<td>Logistics</td>
<td>Cold chain management</td>
<td>Uniform tracking</td>
</tr>
<tr>
<td>Quality control</td>
<td>Patient monitoring</td>
<td>Remote monitoring</td>
</tr>
</tbody>
</table>

### Dimensions

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>300 mm (11.82 in)</td>
</tr>
<tr>
<td>Width</td>
<td>300 mm (11.82 in)</td>
</tr>
<tr>
<td>Thickness</td>
<td>75 mm (2.96 in)</td>
</tr>
</tbody>
</table>

### Weight

2 kg

### Read Range

13 meters with DogBone tags from Smartrac (FCC version)

### 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

### Polarization

Circular Polarization Antenna, choice of LHCP or RHCP

### External Control

2 x GPO and 2 x GPI

### Environment

**Operating Temp:** -20°C to 60°C (-4°F to 131°F)

**Storage Temp:** -40°C to 85°C (-40°F to 185°F)

**Humidity:** 98% Non-condensing

### Dust & Water

IP 68, works in outdoor environment

### Shock

MIL-STD-810F Method 516.5 Procedure V, 75g, 6ms, 2 shocks per axis

### Vibration

MIL-STD-810F Method 514.5 Category 24

### Mechanical Impact Resistance

Free falling ball impacting test: 500 g weight of ball in 1 meter height

### Power Supply

DC supply (12 V, 2.5 A), or use POE+ (IEEE802.3at)

### Order Code

CS203ETHER-NXHCP

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)

X=L: LHCP  X=R: RHCP

Contact us at sales@csl-rfid.com or visit our website at www.CSL-RFID.com