



# 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.

## Product Features

**Ruggedized (MIL-STD-810) integrated reader** with outstanding long read range.

**Dense Reader Mode (DRM) available.**

**Ethernet connectivity**, with PoE+ (IEEE802.3at).

Unique offering: choice of **Left Hand Circular Polarization** or **Right Hand Circular Polarization** for dock door implementation.

**CSL Unified API** - Same API as that of CS101, CS468 and CS469 readers.

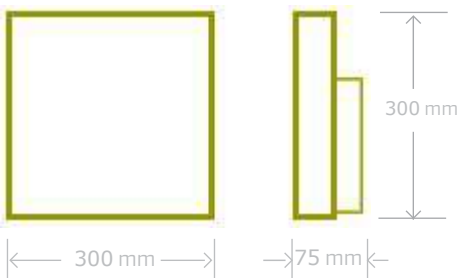
**Best of breed antenna performance:** excellent axial ratio to give best read zone control.

## Applications

Student monitoring	Waste disposal management	Auto toll gates
Asset management	Personnel tracking	Animal tracking
Logistics	Cold chain management	Uniform tracking
Quality control	Patient monitoring	Remote monitoring

<b>Dimensions</b>	Length: 300 mm (11.82 in); Width: 300 mm (11.82 in) Thickness: 75 mm (2.96 in)
<b>Weight</b>	2 kg
<b>Read Range</b>	13 meters with DogBone tags from Smartrac (FCC version)
<b>Protocol</b>	ISO18000-6C, EPC UHF Class 1 Gen 2, Dense Reader Mode available (Class 3 Gen 2 compliant)
<b>Frequency Range</b>	One of the following: 865-868 MHz, 865-867 MHz, 902-928 MHz, 922-928 MHz, 920-925 MHz, 915-922 MHz
<b>Polarization</b>	Circular Polarization Antenna, choice of LHCP or RHCP
<b>External Control</b>	2 x GPO and 2 x GPI
<b>Environment</b>	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
<b>Dust &amp; Water</b>	IP 68, works in outdoor environment
<b>Shock</b>	MIL-STD-810F Method 516.5 Procedure V, 75g, 6ms, 2 shocks per axis
<b>Vibration</b>	MIL-STD-810F Method 514.5 Category 24
<b>Mechanical Impact Resistance</b>	Free falling ball impacting test: 500 g weight of ball in 1 meter height
<b>Connectivity</b>	Ethernet
<b>Power Supply</b>	DC supply (12 V, 2.5 A), or use POE+ (IEEE802.3at)

**Order Code** CS203ETHER-**NX**HCP  
 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 etc.), N=8: 915-922 MHz (Japan),  
 for Hong Kong: CS203ETHER-2XHCP OFCA  
**X=L** : LHCP      **X=R** : RHCP



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