CS203ETHER Integrated RFID Reader
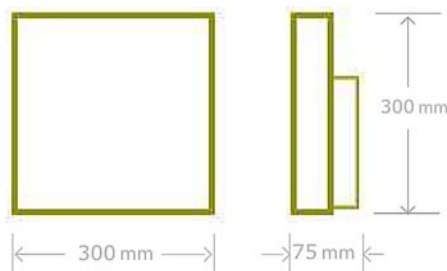
CONVERGENCE SYSTEMS LIMITED

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

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

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.

Dimensions	Length: 300 mm (11.82 in); Width: 300 mm (11.82 in) Thickness: 75 mm (2.96 in)
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
Connectivity	Ethernet
Power Supply	DC supply (12 V, 2.5 A), or use POE+ (IEEE802.3at)
Order Code	CS203ETHER-**N**X**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, Hong Kong etc.), N=8: 915-922 MHz (Japan)
X=L: LHCP   **X=R**: RHCP

Contact Us: If you have further enquiries, please contact us for more information & discussion.