

CS203ETHER Integrated RFID Reader

Product Profile:

CS203ETHER is an all weather ruggedized Ethernet connected UHF EPC C1G2 Integrated RFID reader with long read range and high read rate. This integrated reader is extremely versatile and can be used in all environments, indoor or outdoor, and for all verticals, whether they are warehouse dock door, forklift car, parking lot gate, outdoor patrolling vehicle, highway toll station, livestock farm, slaughter house, container port, 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.



Features:

- Ruggedized (Mil Std 810) integrated reader with long read range
- Dense Reader Mode (DRM) available
- Global frequency coverage
- Ethernet connectivity, with Power-over-Ethernet (PoE+ or IEEE802.3at)
- Unique offering: choice of Left Hand Circular Polarization or Right Hand Circular Polarization for dock door implementation
- Best of breed antenna performance: excellent axial ratio to give best read zone control

Specifications:

Physical Characteristics:	Height: 30 cm; Width: 30 cm; Thickness: 7.5 cm; Weight = 2 Kg
Read Range:	9 meters with AD431 tags from Avery Dennison for FCC version 13 meters with Dogbone tags from UPM Raflatec for 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, 952-954 MHz, 919-928 MHz, 910-914 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:	IP68, 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 at 1 meter in height with weight of ball at 500 grams loads
Connectivity:	Ethernet, with PoE (PoE+ or IEEE802.3at recommended)
Power Supply:	12 Volt DC supply, or use PoE (PoE+ or IEEE802.3at recommended)
Order Code:	CS203ETHER-NXHCP N=1: 865-868 MHz (CE for Europe) <2W EIRP & 865-867 MHz (for India) <4W EIRP, N=2: 902-928 MHz (FCC for USA, FCC ID: UB4CS203ETHERC1G2) <4W EIRP, N=3: 952-954 MHz (Telec for Japan), N=4: 922-928 MHz (NCC for Taiwan) <4W EIRP, N=7: 920-925 MHz (SRRC for China, Australia, Malaysia, Hong Kong etc.) <4W EIRP X=L: LHCP; X=R: RHCP