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CS208-3G

CSL CONVERGENCE SYSTEMS LIMITED

CS208-3G Intelligent Integrated RFID Reader with GPS

CS208-3G is a member of the CS208 family with **3G Mobile Connectivity and GPS**. **CS208 is the first truly INTELLIGENT INTEGRATED Reader in the world with embedded edge server** and a wide selection of connectivities, including 3G/GSM/GPRS, SMS, Ethernet, USB and Serial. With builit-in GPS, the location of the reader can be identified when used outdoor. The reader is an **All Weather and MIL-STD-810 Ruggedized** RFID reader with long read range and high read rate. The CS208-3G reader is extremely versatile and can be **Plug & Play deployed** in all environments, mobile or stationary, remote or local, outdoor or indoor. The integrated reader can be used in highway toll station, bus stops, container port, slaughter house, warehouse dock door, forklift car, parking lot gate, onboard waste disposal vehicle, livestock farm, slaughter house, container port, etc. CS208-3G 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.

Applications

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

Product Features

3G mobile connectivity

Global Positioning System (GPS)

Intelligent Integrated Reader with embedded edge server.

Multiple choices of edge servers with intelligent event engine, and with APIs ranging from high level HTTP to C# to low level C, are available.

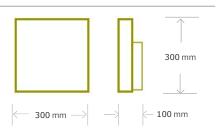Ruggedized (MIL-STD-810) integrated reader with long read range.

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.

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

Dimensions and weight	Length: 300 mm (11.82 in); Width: 300 mm (11.82 in); Thickness: 100 mm (3.94 in); Weight: 3.5 kg
Edge Software	Multiple choices of edge servers with intelligent event engine, and with APIs ranging from high level HTTP to C# to low level C.
Operating System	Win CE
Read Range of RFID	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
Signaling	LEDs and industrial grade buzzer for read acknowledgement and alert
External Control	4 x GPO and 4 x GPI
Environment	Operating Temp: -20°C to 50°C (-4°F to 122°F) Storage Temp: -40°C to 85°C (-40°F to 185°F) Humidity: 98% Non-condensing
Dust & Water	IP 67, 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	3G, GSM/GPRS, SMS, Ethernet, USB, Serial (RS232), Wiegand and GPS.
Power Supply	DC supply (12 V, 5 A), or use POE+ (IEEE802.3at)
Order Code	CS208-3G-**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

300 mm

300 mm   100 mm