CS461 4 Port Intelligent RFID Reader

Product Profile:

CS461 is a UHF EPC C1G2 4 Port Fixed RFID reader with industry leading and unique embedded event engine and combo functions APIs to enable an unprecedented level of intelligence and automation in a reader. In addition, the reader is powered by Impinj technology to give the best read rate and read range and dense reader performance in the industry.

Features:

- Industry unique embedded event engine, combo functions (function sequences), that enables highly intelligent and autonomous reader operation
- Industry leading Impinj technology for best dense reader mode, highest read rate and best read range
- Global frequency coverage, certified in all countries

Specifications:

Physical Characteristics:	Length = 29.5 cm; Width = 30 cm; Height = 8 cm; Weight = 3 kg
Read Range:	With CS771 CP Antenna: Up to 6 meters (using Banjole tag) With CS713 Miniaturized Antenna: Up to 3 meters (using Banjole tag) With CS777 Near field Antenna: Up to 30 cm (using CS6910 Food/Pharma tag)
Read Rate:	> 600 tags per second for selected Gen2 profile
Read Yield	Best in class (consistent wins in many open tenders)
Tag Velocity:	Up to 180 Km/hr (in special Vehicle Information System (VIS) mode)
Protocol:	ISO18000-6C, EPC UHF Class 1 Gen 2, EPC Certificate #: 950110126000000902
Frequency Range:	One of the following: 865-868 MHz, 865-867 MHz, 902-928 MHz, 952-954 MHz, 920-925 MHz, 910-914 MHz
Environment:	Operating Temp: -20^{0}C to 55^{0}C (-4^{0}F to 131^{0}F) Storage Temp: -40^{0}C to 85^{0}C (-40^{0}F to 185^{0}F) Humidity: 10% to 95% Non-condensing
Connectivity:	Ethernet
Intelligent Embedded Agent:	HTTP/XML/TCP/IP protocol based embedded agent with: 1. Event Engine – event triggered actions, event can be GPI events (motion sensor, IR, PIR, Photo-eye), Designated Tag ID events (Tag ID Boolean Mask, Tag within Tag Group), etc. Actions can be tag upload, GPO action (level change or pulse or pulse train), write tag operations, etc. 2. Combo API commands – sequence of commands, such as write and read verify, read-duplicate filter-send first and last, etc. 3. Tag group management – download tag group, upload tag group, use tag group as GPI events, etc.
Order Code:	CS461-N (N=1: 865-868 MHz (CE for Europe) & 865-867 MHz (for India), N=2: 902-928 MHz (FCC for USA, HK), N=3: 952-954 MHz (Telec for Japan), N=4: 922-928 MHz (NCC for Taiwan), N=5: 920-925 MHz (ACMA for Australia), N=6: 910-914 MHz (MIC for Korea), N=7: 920.5-924.5 MHz (SRRC for China))

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