CS101 Handheld RFID Reader

Product Profile:

CS101 is a UHF EPC C1G2 handheld RFID reader with industry leading read range and read rate performance to enable ultra fast inventory of cases on pallet, warehouse shelves, moving vehicles, and other tagged items in business processes where fixed reader class performance is required in a portable device.

Features:

- Excellent read range: 7 meters open space, 7 - 11 meters indoor confined space

- High read rate: typical 150 tags per second for selected Gen2 profiles (peak at 400 tags/s)

- Country specific versions in terms of frequency bands

- Choice of vertically linear polarized or horizontally linear polarized antenna

- Ruggedized design: Drop Test 1.5 meters on 6 surfaces, IP65

Specifications:

Physical Characteristics:	Length = 197 mm, Width = 122 mm; Height = 223 mm; Weight = 1Kg
Read Range:	Up to 7 meters in outdoor or open area (using AD431 tag) 7 - 11 meters in indoor confined space (using AD431 tag)
Read Rate:	Typical 150 tags per second for selected Gen2 profiles (peak at 400 tags/s)
Protocol:	ISO18000-6C, EPC UHF Class 1 Gen 2 (Class 3 Gen 2 Compliant)
Tag Information:	All banks, any sizes (e.g. 240 bits bank1, 512 bits bank3), Per 'Tag Read' RSSI value
Frequency Range:	All frequency bands in the world available
Barcode Scanner:	1D and 2D: all standards available
Antenna Polarization:	Choice of vertically linear polarized or horizontally linear polarized
Environment:	Operating Temp: -20^0C to 50^0C (-4^0F to 122^0F) Storage Temp: -40^0C to 75^0C (-40^0F to 167^0F) Humidity: 5% to 95% Non-condensing
Ruggedized Designs:	Drop test 1.5 meters on 6 sides; IP65
User Interface - Input:	QWERTY keyboard, Touch Screen, Trigger Button
User Interface - Output:	3.5" Transmissive LCD, 320 x 240 pixels, LED x 2, Buzzer
Connectivity:	Wi Fi (802.11 b/g), USB, RS232, GPRS (with CS501 module)
External Memory:	SD Card, Standard SD and SDHC
Processor & Memory:	Samsung, 400 MHz, 128 MByte Flash, 64 MByte RAM
Battery Life:	1.5 hours continuous read, 20 hours standby, easily field replaceable battery
Source Code Samples:	Read tag, write tag, tag inventory, tag ranging, tag search, tag authentication, tag association, tag commissioning, barcode scanning, database manipulation, wireless network transfer, server side driver, etc.
Order Code:	CS101-V/H-N N=1: 865-868 MHz (CE for Europe) & 865-867 MHz (for India), N=2: 902-928 MHz (FCC for USA), N=3: 952-954 MHz (Telec for Japan), N=4: 919-928 MHz (SRRC for China, HK, Malaysia, Singapore, NCC for Taiwan, etc.); (V for vertically linear polarized, H for horizontally linear polarized)