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Product Overview

Handheld UHF RFID Reader

(246006)

The handheld UHF RFID reader provides for ultra fast inventory of items on pallets, warehouse shelves, on moving vehicles, or anywhere fixed reader class performance is required in a portable device.

This UHF EPC Class 1 Gen 2 handheld RFID reader features an industry leading read range of 7 meters in open space and up to 11 meters in an indoor confined area. The ultra-rugged reader has undergone thorough drop testing and withstood 1.5 meter drops on 6 sides. Combined with an exceptional read rate of 150tags/s, the reader provides for ultra fast inventory of items on pallets, warehouse shelves, on moving vehicles, or anywhere fixed reader class performance is required in a portable device. The prominent reader also provides both vertically and horizontally linear polarized antenna to meet the specific need of the users. It is equipped with a QWERTY keyboard, a brilliant 3.5inch touch screen, a trigger button on the handle and a LED.

Key Features

- ✓ Excellent Read Range: 7m in open space, 7 – 11m indoor confined space
- ✓ High Read Rate: Typically 150 tags/s for selected Gen 2 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

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Main Specifications

Dimensions	197 mm × 122 mm × 223 mm
Weight	1.2 kg
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
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 °C to 50 °C (-40 °F to 122 °F)
Storage Temp	-40 °C to 85 °C (-40 °F to 185 °F)
Humidity	5% to 95% Non-condensing
Ruggedized Designs	Drop test 1.5 meters on 6 sides; IP65
User Interface	Input: QWERTY keyboard Output: 3.5" Transmissive LCD
Connectivity	WiFi (802.11 b/g), USB, RS232
External Memory	SD Card, up to 2 GByte
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	246006-V/H-N (N=1: 865 MHz to 868 MHz (CE for Europe, India), N=2: 902 MHz to 928 MHz (FCC for USA), N=3: 952 MHz to 954 MHz (Telec for Japan), N=4: 919 MHz to 928 MHz (SRRC for China, Malaysia, NCC for Taiwan, etc.), N=5: 910 MHz to 914 MHz (MIC for Korea); V for vertically linear polarized, H for horizontally linear polarized)

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