



This UHF RFID reader is high performance M5e UHF RFID reader module. It utilizes a local personal computer to provide command and control via its RS232 serial port.

This UHF RFID reader is built around the award winning, high performance M5e UHF RFID reader module. It utilizes a local personal computer (not included) to provide command and control via its RS-232 serial interface. The RFID reader meets the harsh environments operating standards required for use in trucks and automobiles. It is ideal for deployment in a wide variety of indoor and outdoor applications.



Key Features

- ✓ Fast, reliable reading and writing: up to 190tags/s
- ✓ Vibration endurance mechanical shock
- ✓ Humidity-temperature cycle water/fluids ingress connector/harness pull-push voltage overstress electrostatic discharge
- ✓ Tag buffer: 200 tags
- ✓ 9-pin serial connector, supporting RS232 with asynchronous data rates up to 921.6kbps. DTR signal turns off reader completely to conserve power
- ✓ 2 General purpose inputs and one output, accessible via Molex connector
- ✓ Command-response protocol protected by length field and 16-bit CRC
- ✓ Complies with EPC global Gen 2 (ISO 18600-6C) with anti-collision, DRM and advanced anti-jamming
- ✓ Certification obtained, or in process for the following regions: North and South America, EU, Korea and other Asia-PAC countries



Technical Specifications

Reader	SR-5E, SR-5E-EU
Development kit	SR-5E-DEVKIT, SR-5E-EU-DEVKIT
Antenna connector	Three reverse-TNC antenna ports supporting monostatic 50Ohm antenna (for best performance VSWR should be less than1.5:1 in operating frequency range)
RF power output	Separate read and write levels, command adjustable from 5dBm to 30dBm (1W), ±1.0dBm accuracy
AC/DC power required	Reader alone: 10 to 16V DC, 8W maximum at 12V when transmitting; reader with AC power adapter: 100 to 240V DC, 50 to 60Hz,10w maximum when transmitting
Idle power consumption	1.7w max. at idle (power management modes can be used to reduce this to as little as 0.1w)
Operating temp.	Reader: -40°C to 75°C; AC power adapter:0°C to 40°C
Storage temp.	Reader:-40°C to 85°C; AC power adapter:-10°C to 70°C
RFID ASIC	Indy R1000
User-accessible flash memory	16KB
Performance	
Tag read distance	Over 30ft (9m) with 6dB antenna (36dBm EIRP)
Physical	
Dimensions	21.6cm (L) × 13.3cm (W) × 3.8cm (H)





GAO RFID Inc.

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Product Overview

Durable Indoor/Outdoor UHF RFID Reader (236012)



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