



This high frequency SD RFID reader is intended for contactless, cashless payment, public transportation, consumer retail, event management, pharmaceutical and healthcare and access control. It eliminates the complexity of RFID integration by using secure Plug and Play technology.

This 13.56MHz RFID reader has a built-in antenna and accurately identifies tag IDs at a fast baud rate of 115,000bps without flow control and supports a wide range of data structures including STX, DATA, CR and LF. Transponders compliant with ISO14443 A&B, ISO 15693, ISO18000-3, INSIDE PicoTag™, Tagsys C320, MIFARE, FeliCa™, KSW TempSens and KSW Variosens standards are available for this RFID reader. Also, it has a maximum read distance of 6cm and supports multi-detection and can be used in smart phones and PDAs.



Applications

- ✓ Contactless/cashless-payment systems
- ✓ Transit ticketing
- ✓ Public transportation
- ✓ Access control
- ✓ Consumer retail
- ✓ Event revenue management
- ✓ Pharmaceutical
- ✓ healthcare



Technical Specifications

Power requirements	SD connection from PDA 3.3V
Housing	Secure digital input output
Baud rate	115,000 bps 8,N,1 No Flow Control
Data structure	STX, DATA, CR, LF
Frequency	13.56MHz.(HF-High Frequency). ASK
Power	50mW
Read distance	6 cm(3 in.) maximum
Technical certificates	CE
Regulatory	FCC Part 15
Dimensions	L 66.5 W29.3mm H6 mm
Weight	6.0g
Operating specifications	Operating temperature: -20°C to 40°C Storage temperature: -30°C to 70°C Humidity: 90% relative
Multi-detection	Yes
Antenna compatibility	Built in
Antenna connection	Not required
Transponder compatibility	ISO 14443 A&B, ISO 15693, ISO18000-3, INSIDE PicoTag™, Tagsys C320, MIFARE, FeliCa™, KSW TempSens, KSW Variosens



GAO RFID Inc.

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Celebrating Over 15 Year of Innovation

Product Overview

13.56 MHz High Frequency SD RFID Reader (223002)



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