

Intelligent Contactless Reader ACR123

Features

- Read/ Serial RS232 Interface with RJ45 connector
- USB interface for power supply
- ARM 32-bit Cortex™-M3 Processor
- Smart Card Reader:
 - a) Write speed of up to 848 kbps
 - b) Built-in antenna for contactless card access, with card reading distance of up to 50 mm (depending on tag type)
 - c) Support for ISO 14443 Part 4 Type A and B cards and MIFACE series
 - d) Built-in anti-collision feature
 - e) Three ISO 7816 compliant SAM slots
 - f) 1 TF card slot
- Payment Applications:
 - a) MasterCard® Pay Pass™ MAG Stripe and M/Chip
 - b) Visa pay Wave® MSD and QVSDC
- Built-in Peripherals:
 - a) 16 alphanumeric characters x 8 lines Graphical LCD (128 x 64 pixels)
 - b) Four user-controllable LEDs (Blue, Yellow, Green, and Red)
 - c) User-controllable tapping region backlight (Red, Green and Blue)
 - d) User-controllable speaker (Audio tone indication)
 - e) Micro-SD card slot

Specifications

Dimensions	Main Body: 159.0 mm (L) x 100.0 mm (W) x 21.0 mm (H) With Stand: 177.4 mm (L) x 100.0 mm (W) x 94.5 mm (H)
Weight	Main Body: 281g With Stand: 506g
Interface	USB
Operating Distance	Up to 50 mm (depends on the tag type)
Supply Voltage	Regulated 5V DC
Supply Current	500 m A (max.)
Operating Temperature	0-50°C
Operating Frequency	13.56 MHz
Smart Card Interface Support	ISO 14443 Type A & B MIFACE MasterCard® Pay Pass™ MAG Stripe and M/Chip

	Visa pay Wave® MSD and QVSDC
Compliance / Certifications	ISO 14443, CE, FCC, ROHS, REACH, VCCI, KC, EMV Level 1, EMV Level 2, MasterCard® Pay Pass™, Visa pay Wave®

Application

- E-Government
- E-Banking and e-Payment
- E-Healthcare
- Transportation
- Network Security
- Access Control
- Loyalty Program

Picture

