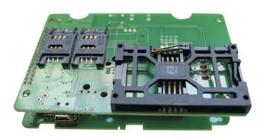# Combo Reader Module

Overview

MIFARE read/write OEM module SUZTC-MR01/02 is a very compact size and easy to used device for accessing a MIFARE standard card, MIFARE PRO card, and MIFARE PROX card. The typical accessing range of this module is 70mm, up to 100mm depending on the antenna of the IC card and Reader's.

As an OEM module for the OEM product, SUZTC-MR01/02 can be easily integrated with any product and work well. SUZTC-MR01/02 provides TTL/CMOS serial interface which can easily connected to other host device. SUZTC-MR01/02 also support power saving mode for those low power consumption devices or applications. SUZTC-MR01/02 is a contactless ISO 14443 and MIFARE reader / writer, featuring a smartcard coupleur (ISO 7816), 1~3 internal micro SIM/SAM slots, and popular fingerprint reader.

Features

- Combines ISO 7816 contact and ISO 14443 Contactless reader
- Easy-to-install for standard single-gang electrical switch box
- Serial interface available: RS 232/TTL/USB 2.0
- Read and write functionality
- Anti-Collision procedure support
- Support SAM module (Optional, up to 4)
- Hybrid Contact smart card reader ISO 7816 (Optional)
- 1 ISO-sized slot (ISO 7816 1 and 2)
- 2 LEDs (red/green)
- Case color & company logo customizing options

SUZTC-MR01/02

Mifare 13.56, Hybrid Module

Application

- Kiosk/ATM/POS terminal
- Flap type Entry/Exit gate
- Digital door lock
- Credit card checker
- Taxi Terminal
- Bus card validation terminal
- Access control system

Specification

Contactless Reader	• Support ISO/IEC 14443 (1,2,3 and 4) • T=CL protocol embedded in coupler's firmware • 13.56MHz RFID transmission • Integrated antenna: card operating distance up to 8 cm
Interface	USB/RS 232/TTL
Human	One dual state green LED(red/green)
Smart Card Reader	• Comply with all ISO 7816 smart cards • T = 0 and T = 1 Asynchronous ,Windows Plug & Play • Communication speed up to 115,200bps • 200,000 insertions • Sliding contact
Power	DC + 5V
Power Consumption	• Power on 130mA max • IC Card Read / Writing : 150mA Max • IC Contact Resistance : 0.5 Ohm max between two line
Operating Systems	• Windows 95, 98, ME, NT, 2000, 2003, XP • Windows Vista 32 & Vista 64 • Unix • Linux
Dimension	123mm x 95mm x 27mm
Operating Conditions	-20°C~60°C
Weight	150g
Approvals	CE, FCC, RoHS, ISO 14443, ISO 15693, ISO 7816

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