9919MF READER

INTRODUCTION

9919MF smart card reader utilizes MIFARE technology to read MIFARE contactless smart cards.
Contactless smart cards are used for stored value or data applications, such as access control, vending, toll roads, airline ticketing, banking cards, city cards, id cards, university cards, liyalty schemes, phone cards, park and ride, and prepaid metering.

RFID 9919MF Specification

Model No.	9919MF
Power Requirements	7-12V DC at 100mA. A linear regulator is recommended.
Interface	Standard wiegand 26 bits for connection to standard access control panels. Proprietary wiegand 26-122 bits output with even odd parity chech from any readable block in Mifare card. Key A authentication. RS232 interface->baud rate:9600, data bits:8, stop bit:1, parity:N for connection to PC's or dedicated microcontrollers. RS232 output data format:AA B1...B15 CS BB in Hex format. AA:BOF, B1 to B15:15 paris HEX code, CS:B1xor...xorB5, BB:EOF B1to B15 equal the 15 bytes data stored in Mifare card readable block.
Read Range	Safety read write range for 4cm with Philips Mifare 1 contactless smart card.
Frequency	13.56KHz standard
Operating temperature	-22°F to 150°F (-30°C to 65°C)
Operating humidity	0-95% relative humidity non-condensing
ISO Standard	ISO14443 Type A compitable
Audio/visual Indication	Red, Green, Yellow led bar and Buzzer.
Dimensions	95mm x 45mm x 15mm
Response Time	Less than 0.1 sec
Cable distance	Wiegand interface:500 feet (150m) RS232 interface:50 feet (15m) Recommended cable is ALPHA 1295 (22 AWG) 5 conductor minimum stranded with overall shield or equivalent. Additional conductors may be required for LED or beeper control.

9919MF Wire Color

Number	Color	Name
1	Red	POWER
2	Black	GND
3	Yellow	BUZZER
4	Orange	GREEN LED
5	White	D1
6	Green	D0
7	Blue	HOLD
8	-	RX
9	Grey	GND
10	Brown	TX
	9600,1,8N	RS232