

9919EM READER

INTRODUCTION

9919EM proximity reader utilizes EM technology to read contactless EM cards.

This reader is suitable for access control, time and attendance and others card control system.

Wiegand output model interfaces with all existing Wiegand protocol access control systems.

RFID 9919EM Specification

Model No.	9919EM
Power Requirements	9-12V DC at 100mA. A linear regulator is recommended.
Interface	Standard wiegand 26 bits for connection to standard access control panels. RS-232 interface -> baud rate : 9600, data bits : 8, stop bit : 1, parity : N for connection to PC's or dedicated microcontrollers. RS232 output data format (Hex) : AA B1 B2 B3 B4 B5 CS BB in Hex format AA : BOF, B1 to B5 : 5 paris HEX code, CS : B1 xor B2 xor B3 xor B4 xor B5, BB : EOF B1 to B5 equal the card 40 bit serial no.
Read Range	Safety read range for 7cm with standard EM H4100 card.
Frequency	125KHz standard
Operating temperature	-22°F to 150°F (-30°C to 65°C)
Operating humidity	0-95% relative humidity non-condensing
ISO Standard	
Audio/visual Indication	Green, Red, 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.

9919EM Wire Color

Number	Color	Name
1	Red	6-12VDC
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
	9600,8,1,N	RS232