

Magnetic Stripe Card Reader



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i. introduction:

MS600S0 serial products are hand swipe operated magnetic card reading machine with UART interface, adopting high integrated magnetic card decoding chip. They have small electricity consumption and strong interference resistance. They comply with ISO AAMVA magnetic card decoding standard completely. It can read card bi-directionally, free to choose data with or without enter key and has intelligent lights to alert if card data is read correctly. Exquisite magnetic installation structure makes card reading more stable and reliable, which is our patented technology. Reasonable product design makes products small and compact.

ii. Features:

- ◆ 123 Track read
- ◆ Manual-swipe type reader
- ◆ Support ISO AAMVA standard
- ◆ Bi-directional reading capability
- ◆ Head rated 800,000 passes electronics rated 125,000 hours
- ◆ Baud rate 9600bps N 8 1
- ◆ Power supplied 3.3-5V
- ◆ Card feeding Speed : 10 to 150 cm/sec

iii. Applications:

- ◆ POS System
- ◆ Membership system
- ◆ Security Control
- ◆ CAT(card authorization terminal)

iv. **Environment Requirements:**

- ◆ Ambient Temperature
 - Storage : -20 C to +70 C
 - Operating : 0 C to +60 C
- ◆ Ambient Relative Humidity
 - Storage : 0 to 95%
 - Operating : 10 to 90%

v. **Physical Characteristics:**

- ◆ Color: Black
- ◆ Weight: 30g
- ◆ Current: Less than 5mA
- ◆ Operating Locus: Indoor only
- ◆ Power Supply: DC 3.3 - 5V
- ◆ Dimensions: 43 * 16 * 22.5 mm

vi. **Data format:**

Baud rate: 9600(Default) , 8bit data, No parity bit , Stop bit 1.

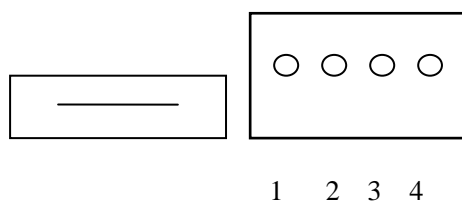
ISO:

%	Track 1 data	?	;	Track 2 data	?	+	Track 3 data	?	CR
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AAMVA:

%	Track 1 data	?	;	Track 2 data	?	#	Track 3 data	?	CR
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vii. **Interface definition**



- 1: TXD → (TO HOST RXD)
- 2: RXD ← (NC)
- 3: VCC (3.3-5V)
- 4: GND

viii. Outline drawings

