

APC M116U Magnetic, RFID and IC Card Reader

■Description

The device supports magnetic stripe card reading, RFID card reading and writing and IC card reading and writing functions. With integrated appearance design, the shape is unique and beautiful. The communication interface is standard USB interface.



■ Parameter (At=25°C)

Item	Parameter		
Rated voltage	APC M116U		5V DC
Rated current	CPU+magnetic card	30 mA	
	RFID card	80mA	
	IC card	60mA	
Reference standard	magnetic card	ISO/IEC7811、AAMVA	
	RF card	ISO/IEC14443 TAPE A	
	IC card	ISO/IEC7816	
Communication interface	RS232/UART/USB		
Communication protocol	USB	magnetic card	USB keyboard mode HID mode
		RF card	USB keyboard mode HID mode
		IC card	HID mode
	RS232/UART	Baud rate:m 8 n1/other	
Output track	1/2/3/12/23/123		
Speed of swipe card	10~250mm/s		

	天時科技有限公司
	ACTION-PLUS CO., LTD
	Tel : (852) 2803 0306
	  : (852) 9807 7382 Website: www.action-plus.com.hk

Times of swipe card	10000times
Operating temperature	-20°C~60°C
Storage temperature	-40°C~90°C
Relative humidity	≤95%, non-condensing
Physical interface	USB/DB9/other
Fasten method	Screw, Other
Vibration test	IEC 60068-2-6 (GB / T 2423.10) 10HZ-55HZ 10HZ/min
Product size	116mm (L) * 36mm (W) * 38.4mm (H)
Weight	130g
Package size	140mm (L) * 99mm (W) * 58mm (H)

■ Absolute Maximum Rating (At=25°C)

PART NO.	Parameter	Min	Typ	Max	Unit
APC M116U	Voltage	4.5	5	5.8	V
	Operating current range	30		170	mA
	Operating temperature range	-20		60	°C
	Storage temperature range	-40		90	°C
	Maximum junction temperature			75	°C
	Speed of swipe card	10		25	MM/S
	Times of swipe card	100000			Times
	Static electricity	8		15	KV



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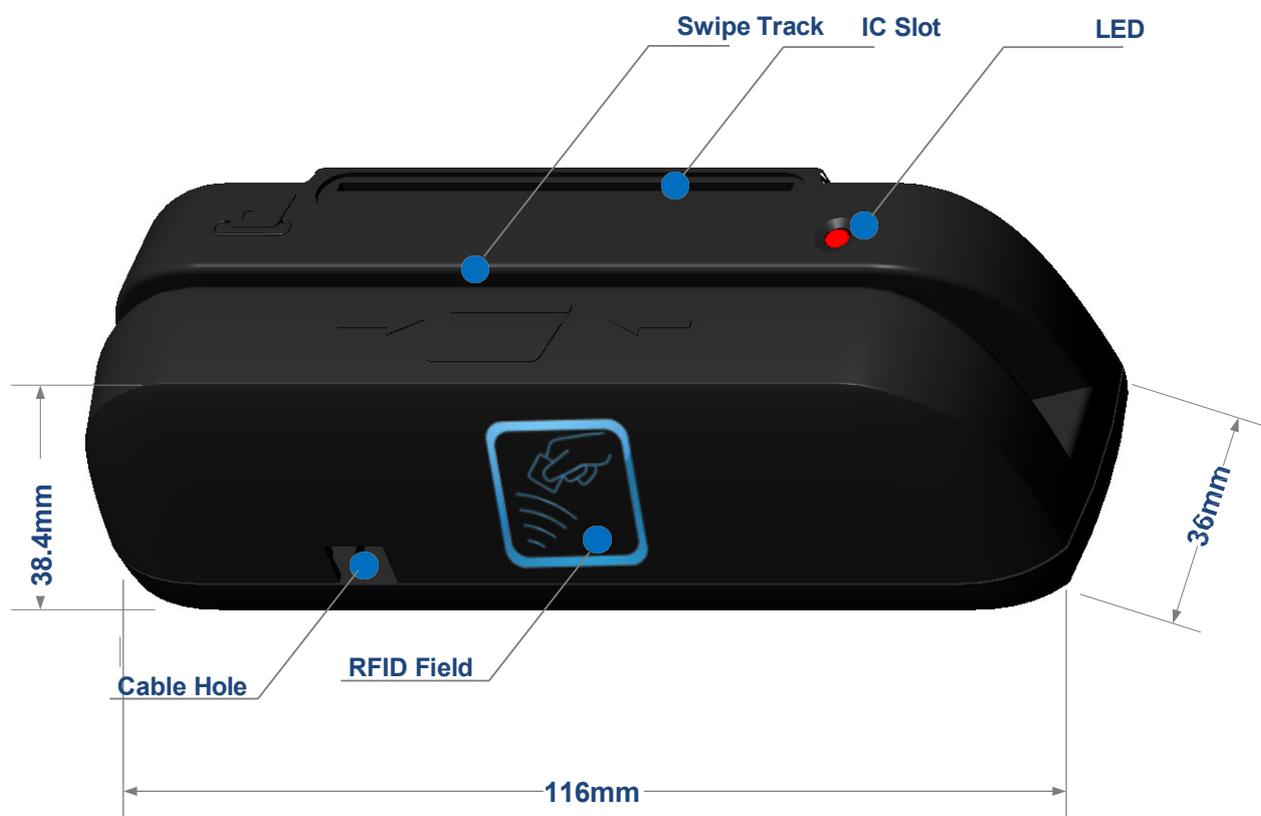
■ Technical index

(At=25°C)

Magnetic stripe card	
Reference standard	ISO/IEC7811 、 AAMVA
Speed of swipe card	10~250mm/s
Times of swipe card	10000times
Data Format Compatibility	IBM/ISO/AAMVA
IC card	
Reference standard	ISO/IEC7816
Reference specification	PBOC2.0、 EMV2000、 T=0,T=1
Operating speed	9600bps~38400bps
RFID card	
Reference standard	ISO/IEC14443 TAPE A
Reference specification	PBOC2.0
working frequency	13.56 MHz
Operating speed	106K /212K/424K bps
Operating distance	0cm~5cm

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■ Product appearance



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