

# CKB-5150

## PROFILE

Centerm CKB-5150 is a versatile and flexible financial terminal with multiple functions integrated.

## Function Modules

- Contact IC Card Reader
- Non-contact IC Card Reader
- Magnetic Card Reader
- Fingerprint Reader
- Indicator Light



### Function Modules



1. Non-contact IC Card Reader
2. Fingerprint Reader
3. Magnetic Card Reader
4. Contact IC Card Reader
5. Indicator Light
6. High/Low Resistance Button

## SPECIFICATION

### CPU

Model	STM32F103ZCT6
Frequency	72MHz
Power Consumption	5.2w

### Magnetic Stripe Read & Write Module (Standard Configuration)

Magnetic Head	Material: Iron & Silicon & Aluminum High Magnetic Resistance Life: > 2,000,000 times
Card Feeding Speed	Read : 20-120cm/s Write : 20~60cm/s
Magnetic Track Supported	Standard: Track 2,3 Read & Write Optional: Track 1,2,3 Read & Write
Number of Character Recorded	Track 1: 79 bytes; Track 2: 40 bytes; Track 3: 107 bytes
Recording Standard	Automatic Identification of ISO & IBMI Standard
High & Low Resistance	Support Read & Write of High-resistance Card and Low-resistance Card
Magnetic Stripe Read & Write Standard	Accord with standard of ISO/ANSI ISO7810/12/13

### Contact IC Card Read & Write Module (Standard Configuration)

Standard	Accord with ISO7816-1/2/3/4 Standard, PBOC2.0 Standard and EMV2000 Standard
IC Card Stand	Standard: x 1 Optional: 0 ~3
Card Stand Life	>100,000 Times
Card Supported	All kinds of CPU Card
Card Type	Friction Type
PSAM Card Stand	x 4

### Non-contact IC Card Read & Write Module (Standard Configuration)

Standard	Accord with ISO/IEC 14443 Type A & Type B, PBOC 2.0 standard and EMV 2000 standard
Working Frequency	13.56 MHz
Card Reading Distance	0-20mm
MTBF	>= 5,000 Hours
Card Supported	Support all kinds of non-contact cards according with ISO/IEC 14443 Type A & Type B Protocols

### Fingerprint Reader

Sensor Life	>= 1,000,000 Times
False Accept Rate	<=0.001%
False Reject Rate	<=1%
Log on Time	Each Time <= 1 second (time of fingerprint template generating after 3 consecutive sampling )
Communication Mode	Standard: Serial Port Communication Optional: USB Port Communication

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## SPECIFICATION

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Communication Port	
Single Serial Port (Standard)	Baud Rate 9600-115200 adjustable; 9600, RS232 Electrical Level by Default
Single USB Port (Optional, tested)	x 1 device port with communication mode HID
USB + Serial Port (Optional, tested)	x1 device port, x1 serial port: Baud Rate 9600-115200 adjustable; 9600, RS232 Electrical Level by Default
Dual Serial Port (Optional, tested)	Dual Female Baud Rate 9600-115200 adjustable; 9600, RS232 Electrical Level by Default
Others	
Power Supply	12V / 1A
Environment	Temperature: Working: 0°C ~ +50°C Storage:-40°C ~ +60°C  Humidity : <90% RH
MTBF	>=30,000 Hours
Size (mm)	235 x 132 x 66
Net Weight (Kg)	1.16
Indicator Light	Power Light, Magnetic Card Reader Light, IC Card Reader Light, Fingerprint Reader Light
Physical Keyboard	None.

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