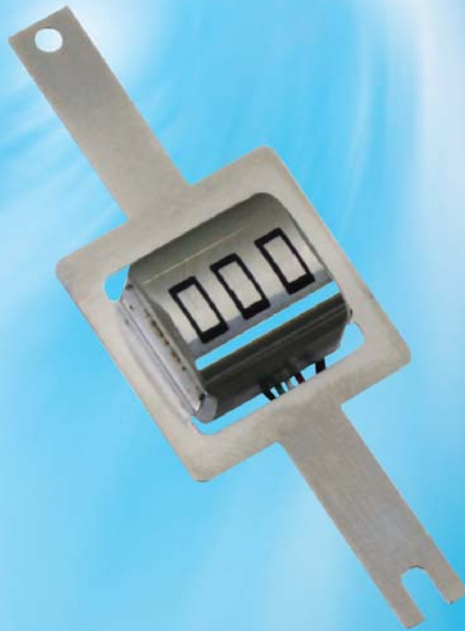


MCH100

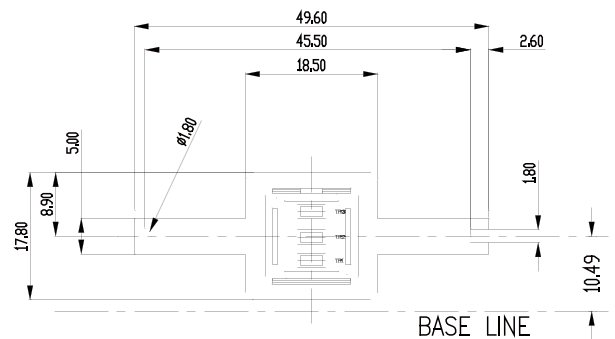
Chip Head Card Reader USB Interface



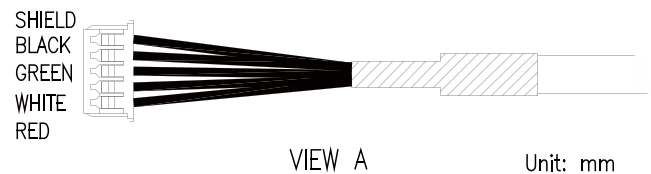
The MCH100 USB Chip Head Card Reader is ideal for retail, time keeping, security and other card reader related systems. The MCH100 with its flexible design works in many applications as POS terminal, Tablet PC, Standalone MSR and handheld device. The MCH100's sleek design is ideal for integration into mobile payment applications. Since the data is inherently secure with a fully encrypted card reader, it can reduce the liability risks dramatically.

Features and Benefits

- Read magnetic stripe cards conform to ISO 7811, allow reading ISO, AAMVA, DMV
- Read high and low coercivity magnetic stripes
- Bi-directional card swipe and read capability
- No third-party driver is needed
- USB interface, no external power supply required
- HID Keyboard, HID MSR or Virtual COM interfaces
- Card data is encrypted with Triple DES algorithm using DUKPT key management
- DUKPT (Derived Unique Key Per Transaction) key management
- Firmware upgradeable



Connector: MOLEX 51021-0500, P= 1.25mm



Retail



Banking



Vending



Parking



Gaming



Hospitality



Petroleum



Transportation

MCH100

Chip Head Card Reader USB Interface

The MCH100 comes with a USB port that can be used to communicate with a PC or a Lap Top. It is uniquely designed to read both credit cards and driver licenses (AAMVA and California standard). It uses DUKPT (Derived Unique Key Per Transaction) Key management and TDES (Triple Data Encryption Standard) encryption to ensure magnetic stripe card transactions are encrypted and highly secure during transmission.

Specifications

RECORDING METHOD

**Two-frequency coherent phase (F2F),
compatible
with ISO 7811 and AAMVA**

SWIPE SPEED

5 to 55 inch/sec (worst case with +/- 15% jitter card)

POWER REQUIREMENTS

+5VDC, +/-5%

OPERATING TEMPERATURE

-10 C to +55 C

OPERATING HUMIDITY

5% to 95% relative humidity

MAGNETIC HEAD LIFE

Min. 1M swipes

DIMENSIONS

49.3L x 17.8W mm

WEIGHT

Approx. 4g

OUTPUT FILM

34.0L x 5.5W mm



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