

# Manual Swipe Magnetic Card Reader

## TTL Interface - TL2000 series

### Features

- TTL Interface. Clock and Data output
- Low power consumption - 3V DC workable
- Operational power 3.3V / 5.0V DC, auto switching
- Power down mode for stand-by control
- Read Credit cards, Bank cards, Driver's licenses, and ID cards
- Design for reading low & high coercivity cards ( from 300 to 4000 Oe )



### Model Configuration

Description	TL2000		TL2000C	
	Black	Pearl White	Black	Pearl White
Track 2	TL2000-02B	TL2000-02W	TL2000C-02B	TL2000C-02W
Track 1&2	TL2000-12B	TL2000-12W	TL2000C-12B	TL2000C-12W
Track 2&3	TL2000-23B	TL2000-23W	TL2000C-23B	TL2000C-23W
Track 1&2&3	TL2000-33B	TL2000-33W	TL2000C-33B	TL2000C-33W

### Specification

- ❄ Power voltage: DC3.0~5.5V
- ❄ Consumption: DC3.3V 1.0mA / DC5.0V 1.25mA
- ❄ Logic characteristic: default at Negative (Positive optional)
- ❄ Color: Black ( Pearl white optional )
- ❄ Dimensions: TL2000 L: 90mm W:22mm H:24mm  
TL2000C L: 95mm W:36mm H:34m (with cover)
- ❄ Plastic material: ABS 94V-0
- ❄ Card types: ISO, ANSI, AAMVA, CA DMV. ( 300 ~ 4000 Oe )
- ❄ Read speed range/second: 10cm/sec ~ 140cm/sec ( 4 ips ~55 ips )
- ❄ Card thickness: 0.25mm ~ 1.2mm
- ❄ MTBF: Electronics: 100,000 hours; Heads life: 500,000 passes
- ❄ Environment: Temperature: Operating: -10°C ~ 55°C; Storage: -30°C ~ +70°C  
Humidity: Operating: 10%~90%; Storage: up to 100%