EzWriter™

IDTECH®
Value through Innovation

Full-Featured Magnetic Stripe Reader-Writer
For Reading, Writing and General Card Issuing Operations

Precision Writing on MagStripe Cards

ID TECH EzWriter™ encodes, reads, & verified three tracks of MagStripe data in a single swipe. A high resolution tachometer precisely locates encoding; the encoding quality exceeds ISO 7811 standards for new cards. Data density is selectable to 75 or 210 BPI for any track. High or low coercivity is software selectable. An LED provides operation status.
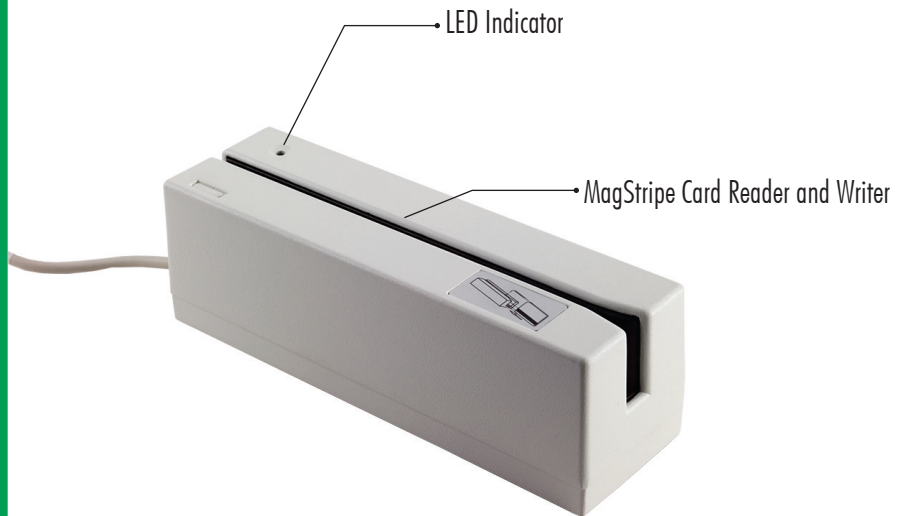
Heavy Duty and Long Life

Full-length guides & a deep card slot ensure accurate and alignment and registration. The low force design of EzWriter ensures a smooth and easy card swipe which provides an operating life for more than 1,000,000 card swipes. The die cast housing gives durability and maximum stability during reading and writing operations.

Workshop™ PC Software

Workshop™ is ID TECH's Windows based PC software utility. It includes all standard and many custom options for reading & writing to a MagStripe card. A single window shows the reading & writing format selections for each track. Default selections are available for simple & correct set-ups when encoding ISO, AAMVA or other formats. Database and file operations are supported. Convenient features such as track erasing, card data comparisons, and sequential data writing are included. The EzWriter communicates via an RS232 or a USB-RS232 serial COM port interface.

Features and Benefits:

- **Reads and writes MagStripe cards, tickets, badges, and passbooks in a single swipe**

- **Reads & writes up to 3 tracks of information and any combination of 210 or 75 BPI densities**

- **EzWriter provides 1 million read & write operations minimum for heads, tachometer, & electronics**

- **Workshop™ software is easy to use & guides the user quickly through the reading & writing processes**

- **Easily configures the unit to Hi or Low coercivity by changing a software setting only**

- **Die cast housing provides durability, stability and maximum life**

LED Indicator

MagStripe Card Reader and Writer

COLOR ID

888.682.6567

SUPPORT@COLORID.COM

COLORID.COM

EzWriter™

Specifications IDWA-33XXXX

Electrical

Operating Voltage:	24 VDC ±10% (Power Adaptor Module Included)
Power Consumption:	2 AMPS maximum(Triple Track Reading & Writing at High Coercivity)
MTBF:	160,000 Power on Hours
Encoding/Decoding Density:	75 or 210 BPI, for each track
Media Coercivity:	250 to 4200 oersted
Interfaces:	RS232, USB-RS232

Environmental

Operating Temperature:	32° F to 122° F (0° C to 50° C) maximum 95% non-condensing
Storage Temperature:	14° F to 140° F (-10° C to 60° C) non-condensing

Reliability

Read Head Life:	1,000,000 cycles minimum
Write Head Life:	1,000,000 cycles minimum
Low Amplitude:	Read >30% @ 210 BPI, >40% @ 75 BPI
Write Performance:	Meets or exceeds ISO 7811 requirement for new cards
Warranty:	One year, parts and labor
Agency:	FCC Class A, CE Class A, and UL Listed

Mechanical

Dimension (L)x(W)x(H):	8.0 inches (203 mm) x 2.5 inches (64 mm) x 2.6 inches (66 mm) (includes feet)
Card Formats:	ISO/ANSI, AAMVA, and "USER" (Custom)
Available Configurations:	Tracks 1 and 2 or Tracks 1, 2, and 3
Swipe Speed (Reading):	5 to 55 inches per second
Swipe Speed (Writing):	5 to 35 inches per second
Media Thickness:	.007 to .045 inches
Weight:	3 lb (1.36 kg)
Color:	Beige
Housing:	Die cast zinc (ZAMAK)

Workshop Software Application Features

Write:	Writes data to a card in the Card Type format
Read:	Reads card data and displays the data in Track boxes
Compare:	Compares multiple cards to a single reference card
Erase:	Erases the selected tracks of data on a card
Sequential Write:	Writes both fixed and/or sequential data to a card
Write from File:	Writes to each card the next record from a file
Read to File:	Reads a card and enters the data as a record into a file
Database Write:	Writes cards from a database CSV file and Setup file
Card Type:	Provides card format selection based on Setup and Standards
- ISO:	Selects 7811 ISO Standard card format
- AAMVA:	Selects AAMVA standard, based on ISO Standards
- USER:	Selects the card format from settings in Setup USER tab
- RAW:	Reads and writes data and displays in a Hexadecimal format
Setup:	Provides selections and settings of formats and track parameters
- Leading Zero:	Sets number of leading zeros before the Start Sentinel
- BPI Setting:	Selects individual track data density (75 or 210 bits/inch)
- Set Coercivity:	Sets the writing coercivity to High or Low (all tracks)
- Start Sentinel:	Selects the Start Sentinel character for the individual tracks
- End Sentinel:	Selects the End Sentinel character for individual tracks
- Bits/Character:	Selects the number of bits per character for individual tracks
- Parity:	Selects character parity bit logic for individual tracks
- Default:	Resets the parameters and settings to the standard norms

ISO 9001 Certified
ISO 14001 Certified

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