EzWriter

Full-Featured Magnetic Stripe Reader-Writer

For Reading, Writing, and General Card Issuing Operations

Precision Writing on MagStripe Cards

ID TECH EzWriter™ encodes, reads, & verifies three tracks of Mag-Stripe 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 card 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.
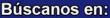
WorkShop TM PC Software

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 RS-232 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

IDTECH®

Value through Innovation

EzWriter Specifications IDWA-33XXXX

Electrical

Operating Voltage:	24VDC +/−10% (Power Adaptor Module Included).
Power Consumption:	<2AMPS (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
Communication:	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 passes minimum.*
Write Head:	1,000,000 passes 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

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).
Dimensions (HxWxL):	2.6 inches (67 mm) x 2.5 inches (64 mm) x 8.0 inches (204 mm) (includes feet)
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 the 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

* All reliability numbers are based on operation in a benign environment.

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