Ruggedized Card Readers

Ruggedized Magnetic Stripe Card Reader • 740
Ruggedized Keypad Magnetic Stripe Card Reader • 780

▶ Ruggedized construction for outdoor applications including airports and schools.
▶ Keypad for increased security (Dorado 780)
▶ Connects to access control systems with Wiegand or Clock-and-Data interface format
▶ Optional card slot heater available
▶ Reads security badges, time-and-attendance badges, and parking cards
▶ Reads head assembly adjustable to Track 1 or 2
▶ Mounts on standard electrical boxes or wall

HID

ACCESS affordability.

This Ruggedized Keypad Card Reader Accepts Your ID Badge For Door Entry Control And More!

Most mainstream entry systems use some form of plastic ID card or badge because they are easy to carry and use. You can utilize the same card, for a single or multiple purposes.

Magnetic stripe cards offer these advantages and more. In addition to their familiarity, they let the owners choose badge size and artwork, from simple, single-purpose access cards to customized photo ID badges. The same magnetic stripe card can be double-encoded for uses ranging from door access and parking to cafeteria meals and book checkouts. Card encoding (including photo ID fabrication) can either be done at the factory, at the dealer's facility, or even at the owner's facility for ultimate control over the card making process.

The reader mounts indoors or outdoors on a double-gang handy box, for exposure to the elements. Its cast metal case resists vandalism and abuse, yet one simple motion through the card slot reads a card. An LED flashes to confirm that a card has been read. Three LEDs are provided to clearly indicate status. The Dorado 780 ruggedized keypad card reader combines ease of use with a PIN keypad for increased security.

Dorado offers a broad selection of cards, readers, and card encoders that have become the access industry's preferred choice. Dorado's card subsystem is ready to go to work with your access supplier's system.

When your application requires magnetic stripe readers and cards, choose the trusted brand.

ASSA ABLOY

Data Tracks	Track 1, 2 & 3; high or low coercivity; 75 BPI
Card Size	CR80 2.125" x 3.375" x .030" +/-.003" (54.0 mm x 85.7 mm x .762 mm +/-.07mm)
Card Speed	8 to 50 inches (203 to 1270 mm) per second
Keypad	Full travel metal keypad with telephone style arrangement outputting 8 bit burst
Data Rate	1 ms per bit
Approvals	UL 294 Access Control; FCC Part 15, CE
Outline	5.125" x 6.75" x 3" (130 x 171 x 76 mm)
Connections	Plug-in with 8" (200 mm) pigtail cable
Cable	200' (60 m) on five #22 unshielded wires 500' (150 m) on five #18 unshielded wires
Output Formats	26 or 34-bit Wiegand, all bits Wiegand, and Clock-and-Data
Power	10.5 to 13 VDC @ 35 mA
Mounting	Single-width handy box, door mullion, or directly on vertical surface
Lifetime	250,000 wear cycles. MTBF 22,000 hours
Error Rate	5% false reject 2x10-6 false accept
Static Discharge	Withstands 20,000 volts
LED	Red, Green, and Amber (enter PIN-780)
Material	Black GE Lexan (polycarbonate) aluminum base
Temperature	-31° to 150° F (-35° to 66° C) operating
Humidity	5 to 95%, noncondensing
Environment	Indoor or outdoor; fully weatherproof housing

Card Format		**OUTPUT FORMAT**
	EMPI	26 or 34-bit Wiegand
	10 Digit ANSI/ISO*	26 or 34-bit Wiegand
	ANSI/ISO	All bits Wiegand or Clock-and-Data up to 37 characters

* First five digits are site code, last five are card number
Product Compatability

Product Compatibility
The Dorado 740/780 reader is compatible with mainstream access controllers that accept Wiegand or Clock-and-Data input from a card reader. The reader accepts cards encoded on track 1 or 2, and are encoded with either ANSI/ISO or EMPI encoding. EMPI is HID's own encoding format that provides a higher level of security than standard ANSI/ISO encoding. ANSI/ISO encoding format refers to the industry standard 75 BPI, 5 bits per character encoding (ISO 7810 Track 2).

Warranty
27-month limited warranty covering parts and labor (magnetic stripe reader heads are not covered under this warranty; for complete details, please see HID's Sales Policy)

How to Order
Dorado 740
Ruggedized Magnetic Stripe Card Reader
Color: Black
Part Number: 3110-7401

Dorado 740
Ruggedized Magnetic Stripe Card Reader with Heater
Color: Black
Part Number: 3110-7402

Dorado 780
Ruggedized Keypad Magnetic Stripe Card Reader
Color: Black
Part Number: 3110-7801

Dorado 780
Ruggedized Keypad Magnetic Stripe Card Reader with Heater
Color: Black
Part Number: 3110-7802

For complete ordering details, please see HID's How to Order Guide found at www.hidcorp.com/products/product-ordering-guide.html.

80% Recycled
40% Post-Consumer Waste
Processed Chlorine Free

MKT-MAG740/780_DS_EN

ACCESS experience.

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