



## MICRSafe

### Encrypting Check Scanner



MICRSafe  
Encrypting MICR scanner with Secure Card Reader  
Authenticator

Optimized to reduce transaction time and manual entry errors, the MICRSafe is a single-feed MICR reader with a reliable and durable design. Ideal for retail applications where fast and accurate MICR reading is required, the MICRSafe offers a range of interface options, including connectivity to the most popular POS terminals. With a simple drop-and-push check feed movement, the MICRSafe significantly speeds check verification and conversion.

### Enhanced user Experience

The MICRSafe enables retailers to easily format the MICR data to match any application input requirements. In a single pass, the MICRSafe reads E13B and CMC7 MICR fonts and connects to POS terminals through RS-232 AUX interface to output data to POS.

Designed for multi-use retail environments, the MICRSafe also offers an integrated 3-track MagneSafe<sup>®</sup> secure card reader authenticator to read ISO and AAMVA standard credit and debit cards and ID cards. This highly dependable device will deliver superior performance throughout years of daily use.



Call a representative to learn more: 562-546-6400.

# Specifications

## Security

In a single pass, this encrypting check scanner encrypts the magnetic MICR data and verifies the magnetic composition.

MagTek secure card reader authenticators (SCRAs) use the MagneSafe Security Architecture (MSA). The MSA has evolved exponentially from its inception in 2006 when it delivered the industry's first SCRAs for secure electronic transactions. The MSA is a digital identification and authentication architecture that safeguards personal data. Designed to exceed PCI regulations, MSA leverages strong encryption, secure tokenization, counterfeit detection, tamper recognition, data relevance and integrity, and dynamic digital transaction signatures, which together validate and protect the entire transaction and each of its components.

A key feature of the MSA is MagnePrint card authentication, a patented, proven technology which reliably identifies counterfeit credit cards, debit cards, gift cards, ATM cards and ID cards at the point of swipe, before fraud occurs. MSA's multi-layer security provides unmatched protection and flexibility for safer online transactions.

## Easy Integration and Implementation

The MICRSafe has three interface capabilities.

First, the MICRSafe can communicate with the Host system using a standard USB interface. The driver will emulate a serial port on the host PC. All data is transmitted as ASCII characters.

Second, the MICRSafe can emulate a USB keyboard. This device is compatible with PCs or hosts that support USB keyboards. The Reader emulates a USB Human Interface Device (HID) United States keyboard or optionally all international keyboards using ALT ASCII code keypad key combinations or customizable key maps. This allows host applications designed to acquire card data from keyboard input to seamlessly acquire the card data from the reader.

Third, the MICRSafe can communicate with a device other than the host, for instance a POS terminal, through an auxiliary RS-232 interface. All data is transmitted as ASCII characters.

The MICRSafe has the capability of supporting some hardware handshaking signals. Depending on POS connection port, a 'Mini DIN 9 Pin' or a 'DB9' cable can be used to connect. Communication in this mode is one-way only (not bi-directional), outputting data from the MICRSafe to POS terminal.

	<b>Encrypting MICR and SCRA</b>
	MICRSafe
<b>IMAGING</b>	
MICR ENCRYPTION	YES
MAGSTRIPE READER	SCRA 3TK
PRINTER	NO
SCANNER	MICR Reader
IMAGE RENDITION	NA
IMAGE COMPRESSION	NA
IMAGE RESOLUTION	NA
CHECK CAPACITY	SINGLE FEED
<b>SPECIFICATIONS</b>	
<b>MTBF</b>	
ELECTRONICS	125,000 hrs
CHECK READ HEAD	1 MILLION PASSES
MSR READ HEAD	1 MILLION PASSES
MICR FONTS	E13-B and CMC-7
INTERFACE	USB; USB KB, RS232 Aux
CURRENT	600mA (Operating)
VOLTAGE	12 VDC, 1.5 Amps
<b>MECHANICAL</b>	
DIMENSIONS	Height: 4.25 in Width: 4.0 in Length: 6.25 in
WEIGHT	3.0 lbs
<b>ENVIRONMENTAL</b>	
TEMPERATURE	Operating: 0°C to 50°C (32°F to 122°F) Storage: -30°C to 60°C (-22°F to 140°F)
HUMIDITY Non-condensing	Operating: 10% to 90% Storage: Up to 95%