DynaMAX for Retail
Secure Card Reader Authenticator mobile or countertop

DynaMAX gives users the flexibility needed in point of sale and point of service environments. Whether used by a bank, hotel, retail merchant, food truck, or theatre, DynaMAX's ability to work with USB wired or wireless connections delivers one reader for mobile or stationary needs, saving the user money on a single, low-cost, yet highly secure device.

The dual interface delivers compatibility for traditional Microsoft Windows and Apple Macintosh computers in addition to wireless compatible tablets and smartphones. The low energy consumption extends the life of its disposable batteries when interfacing wirelessly, and the USB wired connection keeps DynaMAX up and running without worrying about battery life. DynaMAX is a flexible, reliable, and secure card reading solution.

Make checking out faster with a reliable swipe path. DynaMAX has a long swipe path with well-defined head pressure for maximum first swipe read reliability. Your customers will appreciate the ease of use and its ergonomic design.

Ease of Integration and Deployment (drop-in replacement)

DynaMAX requires no wire management and makes implementation and deployment much easier, since there is no drilling or requirement to fasten the reader. If you do need to fasten the reader in a traditional stationary environment, the user can choose to mount DynaMAX with a rubberized no slip pad, with screws, or Velcro®. The mounting options provide flexible solutions that enable the user to choose an option that makes sense for the specific point of sale or point of service environment.

DynaMAX
Secure Card Reader Authenticator
with wireless or USB connection

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

Secure for Stationary or Mobile Transactions

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 consumers and their 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.

Investment and Savings

MagTek's wholly owned subsidiary, Magensa, provides authentication for personal electronic devices including payment terminals, PIN entry devices, encrypting check scanners, and secure card reader authenticators. Using a proven mutual authentication technique, secured devices are programmed to generate an encrypted challenge and communicate directly to Magensa using an SSL connection. Legitimate devices can be identified and authorized for use while rogue devices can be identified and stopped before they are used to commit fraud. This exceeds PCI compliance measures. Coupled with instant encryption of cardholder data in the read head, PCI scope is greatly reduced.

DynaMAX enables retailers to secure their POS and PC-based electronic transactions that support today's traditional applications and tomorrow's advanced security requirements. DynaMAX gives you the flexibility to leverage advanced security features including card authentication, data encryption, and device/host authentication.

Save time and resources with secure remote key injection and key management. MagTek's secure infrastructure allows merchants to safely and remotely inject encryption keys, minimizing risk, lowering costs and enhancing overall operations. Remote Key and Device Management services from MagTek are TR-39 compliant. Remote Services allow for the upgrade of keys or device security settings throughout the life of the device, and remove the need for merchants to recall devices. Such flexibility provides peace of mind in knowing there is maximum flexibility to support tomorrow's evolving payment technologies.

Industry Standard Compliance

- Remote key and device management services from MagTek are compliant with TR-39 environments
- MagTek is an official ESO (Encryption Support Organization). Visit VISA's Global Registry of Service Providers for more details.

Secure Card Reader Authenticator	
Operating System	iOS 7.1; Android 4.4.2; USB: Windows 7, Windows 8; Wireless: Windows 8.1 on hosts with wireless hardware
Connection	WIRED: Micro-USB B, configured to appear as USB HID
Wireless	**WIRELESS:** configured to appear as a GATT device; Wireless **RANGE:** Max 33 ft. (10 m) in line-of-sight conditions; Wireless Frequency: 2.4 MHz
Interface	Wireless Micro-USB compatible with USB 1.1, USB 2.0
Status Indicators	Power LED (Blue); 3-color General Status LED (Red/Green/Amber)
SCRA	3 Track bidirectional, Read Data
Card Speed	6″ /second to 60″/ second
Message Format	ASCII
Security	MagneSafe Security Architecture
Details	TDEA (3DES)-CBC using DUKPT Open standards-based encryption 3DES (TDEA); DUKPT Key Management; MagnePrint® Card Authentication; Tamper Resistant Security Module (TRSM); Immediate card data tokenization; Protects card data per PCI DSS requirements; Generates dynamic data with each swipe; Device/host authentication; Unique, non-changeable serial number; Time bound session IDs
Electrical	
Current	**VOLTAGE:** 5 VDC on USB power; 3 VDC on battery power **MASS DRAW:** < 100 mA
Power	**USB:** USB powered via Micro-USB B jack **BATTERIES:** Two Alkaline AA
Stand by Time	5 years
Mechanical	
Dimensions	L: 4.74" / 120.4mm W:1.47" / 37.34mm H: 1.82" / 46.23mm
Weight	**With batteries:** 4.73 oz. (134.09 g) **No batteries:** 3.03 oz. (85.90 g)
Environmental	
Temperature	
Operating	32°F to 113°F (0°C to 45°C)
Storage	-4 °F to 149 °F (-20 °C to 65 °C)
Humidity	
Operating	5% to 90% noncondensing @ 23 °C
Storage	5% to 90% noncondensing
Altitude	10,000 ft
Compliance	Ingress Protection IP-42; FCC Title 47 Part 15 Class B; CE Level C EMC; CE Safety; UR/CUR UL Recognized; California Proposition 65 (California); WEEE