OEM Components
When it comes to reliable OEM solutions MagTek means quality.

MagTek understands that development time is expensive, and that “time to market” is critical. That is why MagTek uses a consultative approach when working with original equipment manufacturer developers and designers. MagTek understands that the products and solutions created are only done through good working relationships coupled with premier hardware, accessible application programming interfaces and software developer kits that make sense. Using a consultative approach, MagTek’s OEM team will work with you to develop a solution that best fits your needs.

MagTek solutions deliver more, and allow you the option to activate advanced security solutions when you need them. MagTek components and devices using the MagneSafe Security Architecture capture more data with a single swipe and offer the flexibility your applications need. MagneSafe delivers dynamic card authentication, data encryption, tokenization, and device/host authentication to protect our customers and their customers from identity theft and card fraud. Whether it’s security and protection you require, or feature flexibility and component durability, MagTek products deliver the choices you need with the reliability you know you can trust.

MagneSafe IntelliHead
Security Module for Outdoor Payment Terminals, ATMs, Kiosks, POS Terminals, Card Issuance Devices, PIN Encrypting Devices, Check Readers & Scanners, Access Control Systems, Enterprise Management Applications, and more

Call a representative to learn more: 562-546-6400.
Point of service, point of sale and point of transaction systems have changed dramatically in the past few years and will continue to change exponentially with the advances in technology. MagTek is your partner to keep you up-to-date with the latest technology and security concerns.

Development

MagTek has developed best practices over years of experience and partners with you. Get to market faster using proven solutions, incorporating high-quality off-the-shelf components when possible, contacting MagTek at the early stages in your design and engineering stages, and building strong relationships with service providers and suppliers.

MagTek validates our components and devices to offer simple, rugged and sophisticated solutions that will enhance the end user experience.

Testing

MagTek establishes performance criteria early and strives to exceed current industry standards and compliance measures.

Testing is critical to success and MagTek will work with you to establish testing parameters and meet expectations for functionality, reliability, performance and security.

Implementation

Implementation into the marketplace is critical, and MagTek provides you with the tools you need to deploy and maintain your solutions. Integrate MagTek components and devices into your solution easily with application programming interfaces (APIs), software developer kits (SDKs) and MagTek support services. Our OEM department will work with you to get your project completed.

Remote key and device management services from MagTek are compliant with a TR-39 environment.

MagTek is an official ESO (Encryption Support Organization). Visit VISA’s Global Registry of Service Providers for more details.
Ready for Integration

Swipe Readers | Mobile POS

DynaMAX
Mobile Swipe SCRA
Magstripe
Bluetooth and USB connection
DIMS: H 1.82 x W 1.47 x L 4.74 in

BulleT
Mobile Swipe SCRA
Magstripe
Bluetooth & USB connection
DIMS: H 1.35 x W 0.65 x L 2.68 in

uDynamo
Mobile Swipe SCRA
Magstripe
Audio jack connection for iOS and Android
DIMS: H 1.5 x W 0.70 x L 2.5 in

cDynamo
Mobile Swipe SCRA
Magstripe
iOS Lightning connection
DIMS: H 1.50 x W 0.58 x L 2.47 in

DynaPAD
Mobile Swipe SCRA
Encrypting key pad
Magstripe
USB connection
DIMS: L 5.90 x W 4.00 x H 1.51 in

Swipe Reader

Dynamag
Swipe SCRA
Magstripe
USB HID or USB KB connection
DIMS: H 1.19 x W 1.24 x L 3.92 in

Dip EMV
Mobile Swipe SCRA
Magstripe
or EMV chip
Bluetooth and USB connection
DIMS: H 1.52 x W 0.96 x L 2.48 in

eDynamo
Mobile Swipe SCRA
Magstripe and EMV chip
iOS Lightning connection
iPad mini: L 9.71 x W 6.47 x D 0.72 in
iPad Air 2: L 11.28 x W 6.85 x D 0.72 in

Swipe | Mobile POS

Perma Seal
Insertion SCRA
Magstripe
Water tight design meets UL50 requirements

Slim Seal
Insertion SCRA
MagStripe
Horizontal or vertical card insertion

MagneSafe I-65
Insertion SCRA
Magstripe or EMV
Optional card-latch

oDynamo
Insertion SCRA
Magstripe or EMV
Water tight design

Swipe | Key PAD

DynaPAD
Swipe SCRA
Encrypting key pad
Magstripe
USB connection
DIMS: L 5.90 x W 4.00 x H 1.51 in

OEM Components and Rails

MagneSafe IntelliHead
Accordion Spring
U-bracket
USB Connection
(UART, SPI not pictured)

ASICs
Low Power
up to 3 tracks
On board memory
(shift-out interface)

Rails
Multiple interfaces
RS-232, USB-HID, USB-KB,
SPI, Shift-Out, UART
Multiple rail options
43mm, 60mm, Standard 90mm, Slim 90mm

Heads
2 track, 3 track
1 Million passes

Head Assemblies
MagneSafe IntelliHead
Butterfly Spring, with wires,
with connectors
Multiple interfaces
RS-232, USB-HID, USB-KB,
SPI, Shift-Out; UART
 Founded in 1972, MagTek is a leading manufacturer of electronic systems for the reliable issuance, reading, transmission and security of cards, checks, PINs and identification documents. Leading with innovation and engineering excellence, MagTek is known for quality and dependability. Its products include secure card reader/authenticators, token generators, EMV contact, contactless and NFC reading devices, encrypting check scanners, PIN pads and distributed credential personalization systems for secure magstripe and EMV enabled cards. These products are used worldwide by financial institutions, retailers, and processors to provide secure and efficient payment and identification transactions. MagTek is headquartered in Seal Beach, CA.

**Specifications**

**Industry Proven**
MagTek uses industry standard, proven triple-DES encryption and derived unique key per transaction (DUKPT) key management to enable open access and freedom to work with other industry systems. MagTek readers have one of the highest first read rates in the industry and last for 1 million swipes. This enables you to develop reliable hardware and systems that will make you look good.

**Experience**
MagTek is located in Seal Beach, CA. The state-of-the-art facility houses the Corporate Headquarters, Design, Engineering, Manufacturing, Sales, Marketing and Support Divisions. Additionally, MagTek has sales offices throughout the United States, Europe, and Asia, with independent distributors in over 40 countries.

MagTek is the only company in the industry that does not outsource or offshore any of its key injection, design or engineering allowing us to further innovate, manage and secure our customers custom hardware.

Magensa, MagTek’s fully owned subsidiary and payment protection gateway, is a PCI level 1 Service Provider and is a fraud prevention, detection and advisory service. It maintains a globally accessible registry of authentication information so that consumers, financial institutions, retailers, businesses and governments can assess the validity and trustworthiness of the credentials and products they rely upon in the course of online identification, payment, and other important transactions. Additionally, Magensa provides token management and cryptographic services, vital to the protection of cardholder data, the payment system, and personal or sensitive information.

**READING**

**READ:** Bi-directional card reading

**REF STANDARDS:** ISO 7810 and ISO 7811/ AAMVA*

**TRACKS:** Reads up to 3 tracks of data

**MESSAGE FORMAT:** ASCII

**RELIABILITY:** 1 Million swipes

**SECURITY**

**KEY MANAGEMENT:** DUKPT

**ENCRYPTION:** 3DES encryption

**ENVIRONMENTAL**

**HUMIDITY**

**OPERATING** 10% to 90% noncondensing

**STORAGE** 10% to 90% noncondensing

*ISO (International Standards Organization)*

*AAMVA (American Association of Motor Vehicle Administrators)*

**REFERENCE STANDARDS AND CERTIFICATIONS**

- FCC Title 47 Part 15
- CE Class B
- CE Safety
- UL/CSA
- (RoHS) European Directive 2002/95/EC