



tDynamo

*Sleek and secure, a three-way reader
(MSR/ICC/Contactless) with USB 2.0 type C interface
Shown here mounted on the optional charging dock.*

tDynamo

Three-way Secure Card Reader

Point-of-service and point-of-sale needs to be fast, reliable and secure. tDynamo delivers on all three and meets the growing demand from your customers to use the latest in technology in the easiest-to-use form factor. The tDynamo reader is a simple way to take a wide variety of payment methods, in a small, versatile device. tDynamo is a three way (magnetic stripe, chip card, contactless) card reader.

Counter Top or Mobile

tDynamo allows you to slide quickly between a counter top or mobile platform, giving you flexibility through-out the day. The charging dock can be mounted to the table with one screw and nut, keeping things simple, using very little real-estate, securing the device while charging, and continuing to use.

Contact Chip, Magstripe, Contactless

tDynamo is a versatile reader in a simple and easy to understand design. With all of the payment methods in the market today, tDynamo delivers magnetic stripe, chip card, and contactless in a small form factor. Now you can accept classic plastic to mobile wallets and just about everything in between.



Call a representative to learn more: +44 (0)1793 780773



Engineered Design



tDynamo delivers a sleek design engineered to work in today's changing retail environments. tDynamo lets you set the trends instead of trying to keep up. Although in a small form factor, it delivers a long smooth swipe-path with excellent performance and one of the highest first swipe read rates in the industry. The chip insert path is smooth and easy to access, and the contactless, touch-less, pad is sleek and simple. The rubberised moulding provides shock absorption for an even more reliable and durable device.

Encryption and Authentication



Data is protected and encrypted the moment it is swiped, so clear data never enters your system. Open, 3DES end-to-end encryption and industry-standard DUKPT key management, allows for greater platform flexibility.

Simplified Integration



MagTek understands the value of easy-to-use and well documented Software Development Kits (SDKs), technical documentation, APIs, and sample code. MagTek SDKs have no royalty or maintenance fees and are free to re-distribute with your application.

MagneSafe™ Security Architecture



MagneSafe Security Architecture provides the maximum security at the minimum cost, both in physical costs and implementation efforts. Counterfeit card data cannot get into the system and usable card data cannot be breached out of the system. MagneSafe delivers a layered approach to transaction security and combines encryption, tokenisation, authentication and dynamic data to protect card data at the moment the card is read.

Specifications

Reading

Magnetic Reader	Triple Track (TK1/2/3); Bidirectional read ISO 7810, 7811; AAMVA driver licenses
EMV Chip Reader	Level 1 / Level 2 Contact Level 1 / C-2 / C-3 / C-4 / C-5 EMV compliant chip cards; ISO 7816 Terminal type 21 and 24
Contactless	ISO/IEC 18092, ISO/IEC 14443 (Type A/B) for PayPass, PayWave, ExpressPay, D-PAS, Apple Pay (Contactless), C-1/C-6/C-7

Reliability and Operation

MSR	1,000,000 swipes
EMV	500,000 insertions
CPU & Memory	Cortex M3, 1MB memory
Connection	USB Type C with high current USB 2.0: communication interface and charging Wireless: Bluetooth (BLE)

Electrical

Charging	Micro USB, optional charging dock Charging time: 1.5Hr
Battery	Lithium ion Polymer rechargeable battery
Voltage	USB port powered. requires 5VDC

Security and Certifications

EMV Encryption	Meets EMV Level 1 and 2 requirements 3DES (TDEA) encryption protects PIN, card data and manually keyed data. DUKPT key management
Added security	MagnePrint® Card Authentication detects fraudulent magstripe cards; Unique nonchangeable device serial number

Mechanical

Dimensions	80 x 100 x 15.5mm (WxLxD)
Weight	135g

Environmental

Operating temp / humidity	0C to 45C° (32°F to 113°F) 10% to 90% non-condensing
Storage temp / humidity	-10C° to 60C°(14°F to 140 °F) up to 80% non-condensing

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.



Founded in 1972, MagTek is a leading manufacturer of electronic systems for the reliable issuance, reading, transmission and security of cards, cheques, PINs and identification documents. Leading with innovation and engineering excellence, MagTek is known for quality and dependability. Its products include secure card readers, token generators, EMV contact, contactless and NFC reading devices, encrypting cheque scanners, PIN pads and distributed credential personalisation 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. Today, MagTek continues to innovate. Its MagneSafe™ Security Architecture leverages strong encryption, secure tokenisation, dynamic card authentication, and device/host validation enabling users to assess the trustworthiness of credentials and terminals used for online identification, payment processing, and high-value electronic transactions.

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