

tDynamo (Gen II) SECURE CARD READER AUTHENTICATOR

tDynamo (Gen II) is the next generation of tDynamo secure card reader authenticator with updated EMV certification and the added functionality in supporting Apple VAS. Point-of-service and point-of-sale needs to be fast, reliable, and secure; tDynamo (Gen II) is a simple way to make this happen in a small, versatile device. tDynamo secure card reader authenticator accepts magnetic stripe, EMV, and NFC transactions in a small compact form. It connects via USB or Bluetooth LE, making it the perfect solution for Windows, Android, or iOS devices.

DESIGNED FOR BUSINESS

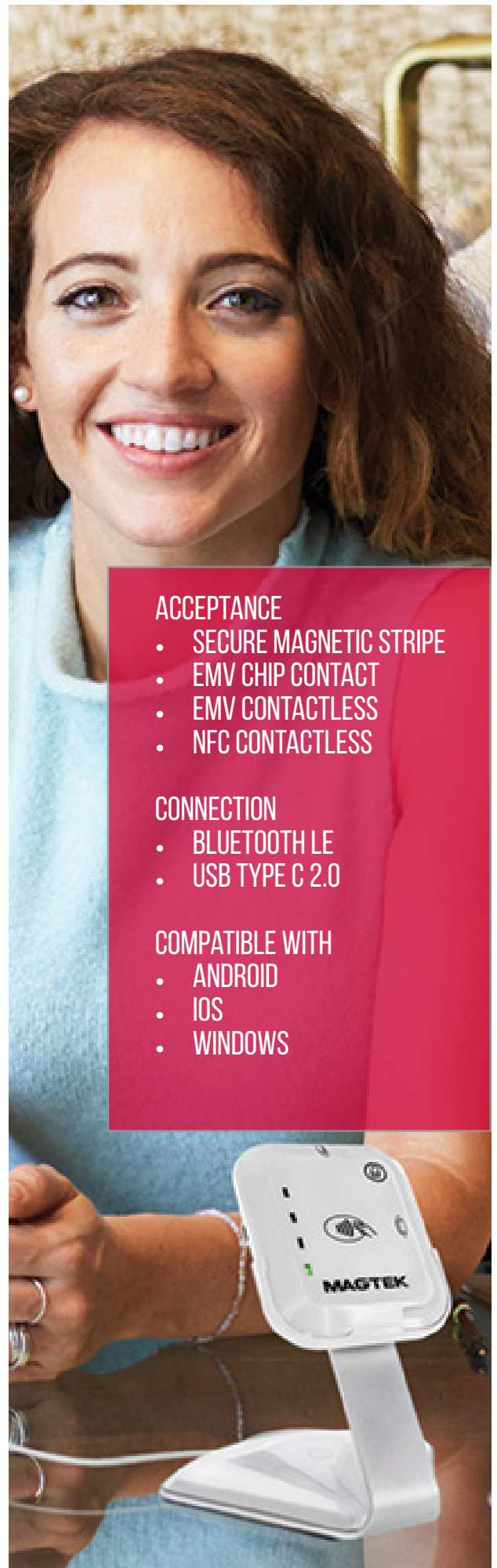
tDynamo (Gen II) offers a sleek design engineered to work in today's changing retail and banking environments. Whether you are offering concierge service, pay-at-the-table, line-busting solutions, centralized countertop, or roaming teller solutions, tDynamo (Gen II) lets you set the trends instead of trying to keep up.

MOBILE, FIXED, OR CUSTOM

tDynamo (Gen II) allows you to go easily between a fixed platform to a mobile platform, giving you the flexibility your application and environment might need. The optional docking stand mounts to counters with one screw and nut, making installation simple all while using very little counter space. Or you can use tDynamo (Gen II) as a handheld reader by itself, in a custom surround, or attach it using the MagTek Otterbox® uniVERSE clip.

ACCEPT MULTIPLE PAYMENT METHODS

With all of the payment methods in the market today, tDynamo (Gen II) delivers. Now you can accept classic plastic to mobile wallets and just about everything in between. It delivers a long smooth swipe path with excellent performance and one of the highest first-swipe read rates in the industry.



ACCEPTANCE

- SECURE MAGNETIC STRIPE
- EMV CHIP CONTACT
- EMV CONTACTLESS
- NFC CONTACTLESS

CONNECTION

- BLUETOOTH LE
- USB TYPE C 2.0

COMPATIBLE WITH

- ANDROID
- IOS
- WINDOWS



The chip card insertion path is smooth and easy to access and the contactless pad is sleek and simple.

SECURITY IN MIND, SERVICES AT THE READY

MagneSafe Security Architecture provides the maximum security at the minimum cost, both in total dollars and implementation effort. Data is protected using a layered approach with encryption, tokenization, authentication, and dynamic data, so card data is protected at the moment the card is swiped. Proven 3DES end-to-end encryption and industry-standard DUKPT key management allow for greater platform flexibility.

SIMPLIFIED INTEGRATION

Using Magensa Gateway and Data Protection Services, tDynamo (Gen II) is made easier to integrate into in-person, on-line, and in-app payment platforms. 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 royalties or maintenance fees and are free to redistribute.

tDYNAMO (GEN II) AND THE MAGTEK uniVERSE CLIP

Otterbox cases using the custom clip designed in partnership with Otterbox and their uniVERSE clip. Clip on and slide into place.



SPECIFICATIONS	tDYNAMO (GEN II)
PAYMENT METHODS	
MAGSTRIPE SECURE CARD READER AUTHENTICATOR TRIPLE TRACK (TK1/2/3); BiDIRECTIONAL READ ISO 7810, 7811; AAMVA DRIVER LICENSES	YES 4 ips to 60 ips
EMV CONTACT CHIP EMVCo L1 AND L2 ISO/IEC 7816	YES Terminal type 21 and 24
EMV CONTACTLESS EMVCo L1 AND L2, EMV LEVEL 1 ISO/IEC 14443 (TYPE A/B)	YES
NFC CONTACTLESS / MOBILE WALLETS ISO/IEC 14443 (TYPE A, TYPE B) C-6; EMV CONTACTLESS, APPLE PAY®, D-PAS®, EXPRESSPAY®, GOOGLE PAY, PAYPASS™, PAYWAVE®, SAMSUNG PAY®, SUPPORTS APPLE VAS®	YES
RELIABILITY AND OPERATION	
MSR / SCRA SWIPES	100K
EMV INSERTIONS	100K
COMPATIBLE OPERATING SYSTEM	iOS, Android, Windows
CPU AND MEMORY	Cortex M3, 1 MB memory
STATUS INDICATORS	Contactless LEDs (green); Status LED (Red/Green/Blue/ Amber)
DEVICE COMPATIBILITY	iOS, Android, and Windows select devices
GENERAL	
CONNECTION METHOD	USB 2.0; Bluetooth LE
WIRELESS (FREQUENCY 2.4 GHZ)	Bluetooth LE
INTERFACE	USB Type C with high current USB 2.0, Wireless
DISPLAY	NA
SECURE KEY PAD	NA
MAGENSA SERVICES: GATEWAY, PROTECTION, REMOTE	Yes
ELECTRICAL	
CHARGING	Rechargeable USB 2.0 charge Charging Time: 4.2Hr
BATTERY	Li-ion Polymer
CURRENT AND POWER	Power via USB or Battery. USB: 5 VDC
SECURITY AND CERTIFICATIONS	
COMPLIANCE (FCC, CE, UL)	YES
MAGNESAFE SECURITY ARCHITECTURE; 3DES ENCRYPTION; DUKPT KEY MANAGEMENT; UNIQUE, NON- CHANGEABLE DEVICE SERIAL NUMBER	YES
TAMPER	Evident/Resistant
MECHANICAL	
tDYNAMO (GEN II) DIMENSIONS L x W x H OR L x W x D	3.94 x 3.25 x .61 in. 100 x 82.5 x 15.5mm
tDYNAMO (GEN II) WEIGHT	Reader: 3oz (83g) with stand: 10oz (285 g)
MOUNT/STABILIZER/ACCESSORY	Charging stand, OtterBox uniVERSE Clip
ENVIRONMENTAL	
OPERATING AND STORAGE TEMP	32°F to 113°F (0°C to 45°C)
OPERATING AND STORAGE HUMIDITY NON-CONDENSING	10% to 90%



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Founded in 1972, MagTek is a leading manufacturer of electronic systems for the reliable issuance, reading, transmission and security of cards, barcodes, 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, Quantum secure cards, token generators, EMV contact, contactless, barcode 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, payment processors, and ISVs to provide secure and efficient data privacy, as well as payment and identification transactions. Today, MagTek continues to innovate. Its MagneSafe® Security Architecture leverages strong encryption, secure tokenization, dynamic card authentication, and device/host validation enabling users to assess the trustworthiness of credentials and terminals used for on-line identification, payment processing, and high-value electronic transactions. MagTek is headquartered in Seal Beach, CA.