

## Modular Payment Solution

### MAGTEK MPS IMPLEMENTATION

MagTek's Modular Payment Solution - a modular, flexible solution for all your unattended payment requirements, consisting of...

**oDynamo** Secure Card Reader for contact EMV and magnetic stripe payments

**EPP** Secure, Encrypting PIN Pad (with or without display)

**NFC Reader** for EMV contactless / NFC payments

Designed for difficult unattended environments, MagTek's MPS solution is a robust and reliable solution for applications such as Fuel Pumps, Parking, Ticketing, ATM's, Kiosks, etc.

The solution is fully EMV and PCI Certified meeting the security and operation requirements for payment applications world-wide.

The modular solution is based around the oDynamo, secure card reader and the EPP. NFC Reader can be added if required.



### A FULL MODULAR PAYMENT SOLUTION WITH PARTNERS AROUND THE WORLD

Together with partners we deliver a full payment solution including the payment application that suits your user environment.

If you are a payment application developer, do not hesitate to approach us as well. We are interested in growing our partner ecosystem.



# Hardware Features/Specifications

## Core Module (Card Reader)

### Payment Methods

**Magstripe Reader:** (SCRA) Triple Track (TK1/2/3); Bidirectional read.  
ISO Type B; AAMVA, other  
**EMV chip contact:** EMVCo L1 and L2 ISO/IEC 7816

### Security and Certifications

**Compliance:** EMV L1 and L2 contact  
PCI PTS 5.x POI OEM Secure Card Reader (SCR)  
Supports PCI SRED and P2PE.  
CE, UL, FCC Title 47 Part 15 Class B.  
Data protection 3DES encryption;  
DUKPT key management.  
Tamper evident & resistant.

### Mechanical

**Dimensions (mm):** 100.1 x 71.1 x 140.2  
**Weight:** 800g

**Vibration resistance:** Resists 5Hz to 50Hz sinusoidal vibrations at 10 m/s<sup>2</sup> on all axes.

**ESD protection:** ESD Tolerance (EMVCo): ±12kV air discharge when device is properly earth grounded.  
**ESD Tolerance:** (FCC/CE): ±4kV contact discharge / ±8kV air discharge when properly grounded.

**Vapor Resistance:** Test Gasoline-96 RON (Reference Gasoline); Reference Fuel C; Diesel 2007  
Emission Certification Fuel (Reference Diesel); E10; E25; E85; M15;  
Road-Use Diesel; Road Use Unleaded

### Environmental

**Temperature:** -30°C to 70°C (operating); -40°C to 70°C (storage)  
**Humidity:** 10% to 90% (non-condensing)

## Encrypting PIN Pads

Ruggedised design can withstand both indoor & outdoor applications. Supports EMV Offline PIN with the oDynamo SCR, Online PIN using DUKPT and MK/SK key management schemes and 3DES / AES encryption.

**Compliance:** PCI PTS - Approval # 4-20344 (EPP 1215) & 4-20345 (EPP 2200)  
PCI approved removal detection  
CE, ROHS

**Connectivity:** USB and RS232 Interfaces

### Mechanical

	<b>EPP1215</b>	<b>EPP2200</b>
<b>Dimensions (mm):</b>	102.4 x 117.9 x 26.7	130 x 101 x 31
<b>Weight:</b>	352g	438 grams (425 grams excl. gasket)

### Environmental

**Temperature:** -30°C to 70°C                      -33°C to 70°C  
**Resistance:** IP65 (from front of keyboard), Vandal resistance: IK07



Core Module (oDynamo Reader)

## NFC Reader

### Payment Methods

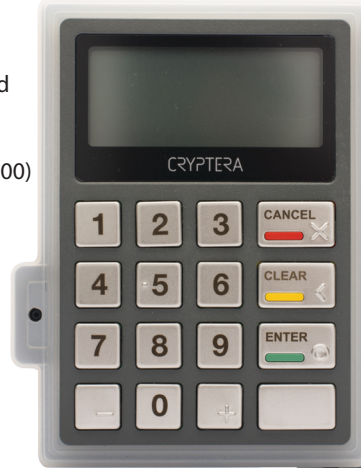
**EMV:** Contactless Level 1  
Contactless Level 2 (payment schemes)

**Security:** PCI PTS 5.x including SRED  
PCI PA-DSS capable  
PCI P2PE capable



NFC Reader

EPP 2200 - with secure display



EPP 1215 - without display



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.