



## DynaWave NFC Module



There are more ways to pay and perform digital transactions than ever before. MagTek has the components and peripherals you need for your transaction environment.

## Device Overview

Announcing DynaWave, MagTek's NFC module, allows you to add NFC, near-field communication, contactless transactions to your payment solution. NFC allows for faster payments with a quick tap for transaction processing. Whether you need to accept D-PAS<sup>®</sup>, PayPass<sup>™</sup>, payWave<sup>®</sup>, ExpressPay<sup>®</sup>, Apple Pay<sup>®</sup>, Android Pay<sup>®</sup> or any other bank mobile application that supports contactless, DynaWave is ready.



## Applications

Accept contactless payments in almost any environment. DynaWave is a perfect fit for contactless payment environments including mobile point of sale applications, point of transaction kiosks, and unattended payment terminals. DynaWave also works great in other NFC contactless environments including electronic identity locations, key cards and Fobs.

### DynaWave

*Near Field Communication OEM device  
with USB and UART connections*



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



# Specifications

## Security

Our NFC module uses 3DES encryption coupled with DUKPT (Derived Unique Key per Transaction) key management to secure your transaction data. DynaWave is tamper evident and tamper resistant and meets stringent security protocols.

## Integration

Designed for easier development efforts, DynaWave supports both USB and UART connection. Developers can choose between one or the other depending on the application need. Contact a representative to find the best fit for your application and to request the software developer kits (SDKs) and application programming interfaces (APIs).

NFC contactless works with mobile wallets and adheres to ISO/IEC 18092, ISO/IEC 14443 | (Type A, Type B) C-1/ C-6/C-7.

### Payment Type

|   |   |
|---|---|
| <b>NFC contactless / mobile wallets</b> | ISO/IEC 18092, ISO/IEC 14443 (Type A, Type B) C-1 / C-6 / C-7<br>D-PAS®, PayPass™, payWave®, ExpressPay®, ApplePay® |
| <b>EMV</b>                              | EMV L1 + L2 certified   |

### Operating

|                           |                                |
|---------------------------|--------------------------------|
| <b>Connector Mounting</b> | USB and UART options available |
|---------------------------|--------------------------------|

### Environmental

|                       |                                  |
|-----------------------|----------------------------------|
| <b>Ingress</b>        | IP65 Compliant                   |
| <b>Operating Temp</b> | -30°C to +70°C (-22°F to +158°F) |
| <b>Operating RH</b>   | 10% to 90% non-condensing        |
| <b>Storage Temp</b>   | -30°C to +70°C (-22°F to +158°F) |
| <b>Storage RH</b>     | 10% to 90% non-condensing        |

### Mechanical

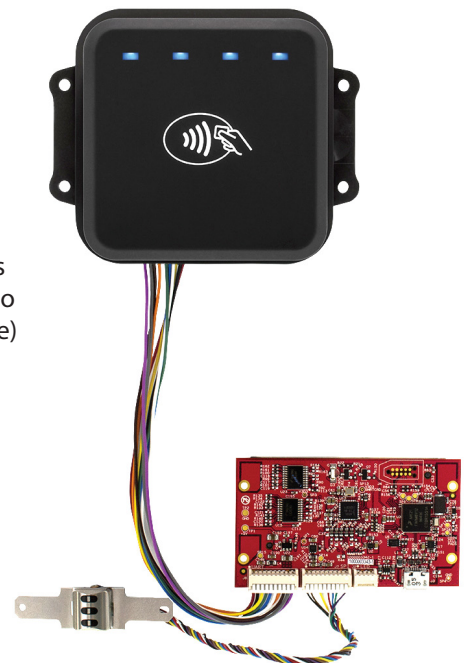
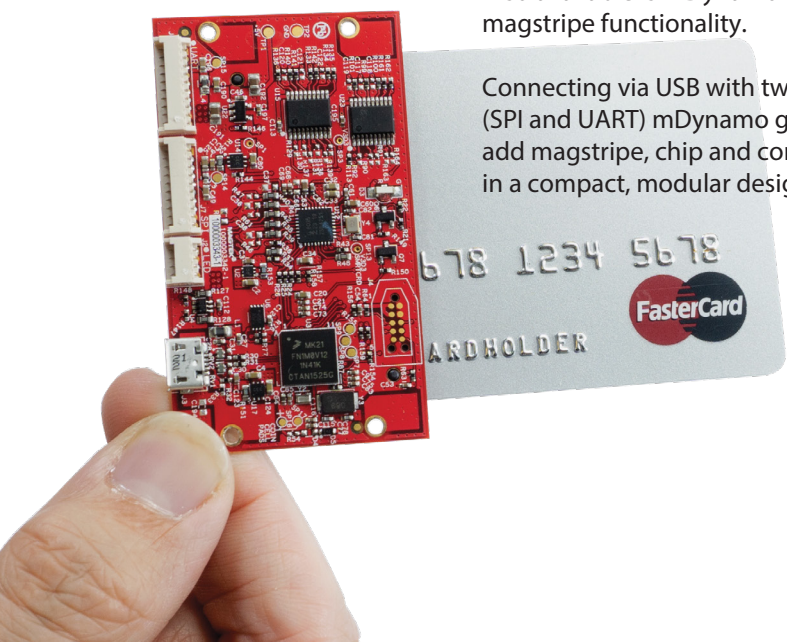
|                     |                               |
|---------------------|-------------------------------|
| <b>Core chassis</b> | 91.3 x 74.9mm (3.6 x 3.0")    |
| <b>Weight</b>       | 64 grams (reader with gasket) |

## Ready for Mobile Payment Terminals

mDynamo for magnetic, chip and contactless transactions.

Also available is mDynamo offering EMV chip and magstripe functionality.

Connecting via USB with two optional auxiliary ports (SPI and UART) mDynamo gives users the flexibility to add magstripe, chip and contactless (with DynaWave) in a compact, modular design.



visit [www.magtekeurope.com](http://www.magtekeurope.com) for more information

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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, 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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