

# ENCRYPTS CARD DATA TO PREVENT COMPROMISES

Retailers cannot maintain constant vigilance over every access point and every place where data is stored or transported. That's why VeriFone developed VeriShield Protect – a breakthrough global end-to-end payment card security solution that ensures cardholder data cannot be compromised, even in the event of a breach.

# VERISHIELD PROTECT

## Vastly Simplifies Retailer's Security

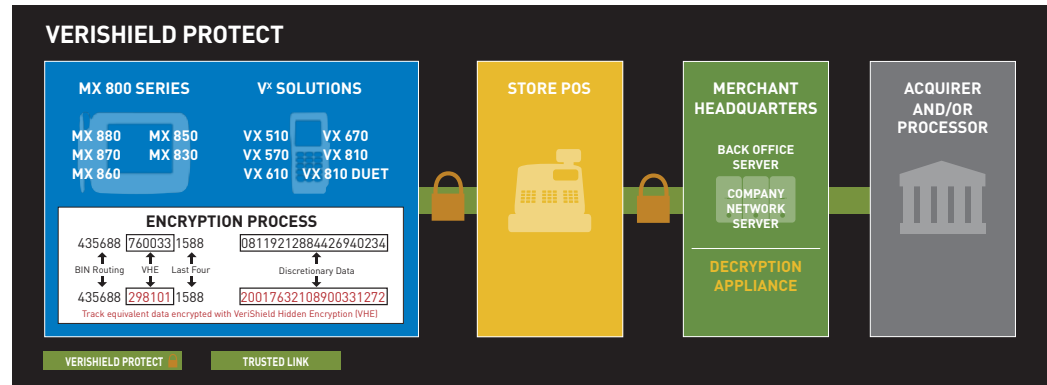
- Eliminates usable cardholder data from POS applications, networks and servers
- Encrypts card holder information, at the exact instant of acceptance, inside a secure, trusted VeriFone payment device and keeps it encrypted throughout your enterprise
- Compliant with Visa's best practices for data field encryption
- Brings you closer to PCI DSS compliance and may reduce costs of auditing
- Supports broadest range of card payments, whether they are magstripe, contactless or EMV-based, on the broadest range of payment acceptance devices

## Innovative Technology To Secure Your Business

- Can be implemented without requiring changes to most existing POS and enterprise applications
- The encryption is processed within the tamper-resistant security modules of VeriFone's PCI PED and EMV approved payment devices, protecting it from hackers
- Employs a breakthrough technology called VeriShield Hidden Encryption (VHE), a format-preserving encryption that encrypts the primary account number and discretionary data in a manner that other applications interpret as valid card data
- Choose whether to host a secure decryption appliance (DA) in your secure data center for utmost control, at an off-site service provider or at an acquirer/processor
- Real-time status and alert system, via the VeriShield Secure Device Management Service (VSDMS), ensures security and allows remote key management

## Seamless Implementation

- Works on V<sup>x</sup> Solutions and MX 800 Series devices and is available as a managed service
- Compatible with all card types, including PIN debit, signature debit, loyalty, prepaid and gift cards
- Transparent to the user of the payment device
- Trust VeriFone for unrivaled payments security



Cardholder data is never exposed with VeriShield Protect. VHE protects the raw cardholder data received by the POS device so that it is never at risk and is safely transmitted to the DA. The DA can be managed at the retailer, off site or at the acquirer/processor.

## System Components

VeriFone Payment Systems: MX Solutions, V<sup>x</sup> Solutions, Secure PumpPAY, and VeriFone's managed gateway solutions

VeriShield Hidden Encryption (VHE)

Secure network decryption appliance (DA)

VeriShield Secure Device Management Service (VSDMS)

[www.verifone.com/verishield-protect](http://www.verifone.com/verishield-protect)

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