



TSYS Guardian EncryptionSM

Protect your customers, your revenue and your reputation



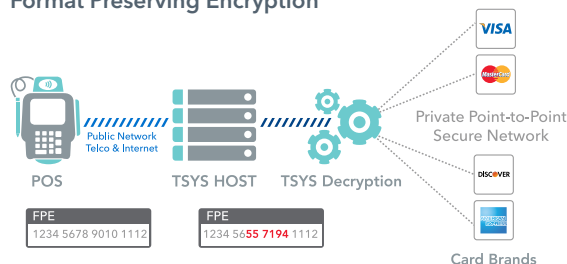
You've worked hard to pursue your dream and grow your business. Protect your efforts with an added layer of security against data breaches and cyber attacks.

TSYS Guardian Encryption is a powerful first line of defense against hackers and others looking to steal your valuable data. It offers peace of mind, protecting your customer's card data while safeguarding your reputation, profits and business behind an extra layer of security.

What is Encryption?

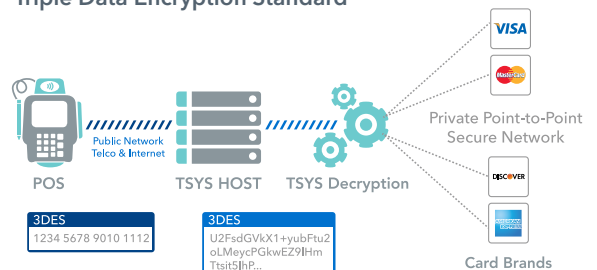
At the point of sale, encryption is the process of replacing a payment card number with an encrypted card number – a different string of digits in the same format as the original card number. This is referred to as Format Preserving Encryption, and is typically easy to implement since it looks and acts like a card number but is useless if intercepted by a hacker.

Format Preserving Encryption



Another option for protecting cardholder data is Triple Data Encryption Standard (3DES). Within the 3DES process, card information is replaced with an alphanumeric value that incorporates three 64-bit keys for a total key length of 192 bits. This robust form of encryption is the same used in ATMs and PIN pads, and is considered a proven format for securing sensitive card data.

Triple Data Encryption Standard



The Safe Choice

TSYS Guardian Encryption safeguards cardholder data from the moment you accept a card, with the ultimate goal of keeping your customers confident and your transactions safe.



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Enjoy the Benefits

TSYS Guardian Encryption helps

- Reduce the impact of data breaches. Since cardholder data is encrypted, it is of little value to hackers.
- Simplify the Payment Card Industry Data Security Standard (PCI DSS) validation process. Because encryption removes card data from your point-of-sale environment it may simplify PCI DSS validation.

Expect More

You can expect more than just another processor when you trust TSYS to handle your payment processing. We intend to be more than just another expense or vendor; we will build a lasting relationship by helping your business to succeed.

WHO WE ARE

TSYS Merchant Solutions is a leading payment processor with more than 30 years of experience providing first-rate service and comprehensive end-to-end payment solutions to businesses accepting payments across North America. Our dedicated, experienced team of industry professionals provides innovative card-acceptance solutions and unparalleled customer service every day to meet the long-term needs of our customers.

TSYS Merchant Solutions is a wholly owned subsidiary of TSYS® (NYSE: TSS). TSYS delivers advanced technology and enhanced value to many of the world's leading companies, making it possible for hundreds of millions of consumers to use their credit, debit, commercial, private-label, prepaid and chip cards safely and securely.

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