PreveNET TLE
TERMINAL LINE ENCRYPTION

epic
Innovation Redefined

End-to-end security platform to combat frauds in electronic payments

To say that payment fraud is a growing problem is a big understatement. According to a latest study by Juniper Research, the cumulative merchant losses to online payment fraud globally between 2023 and 2027 will exceed $343 billion. This includes losses across the sales of digital goods, physical goods, money transfer transactions, banking, as well as online purchases like airline ticketing.

What are the threats ?
faced by the payment card industry

- Card Skimming
- Eavesdropping
- Ghost Terminals
- Host Spoofing
- Replay Attacks
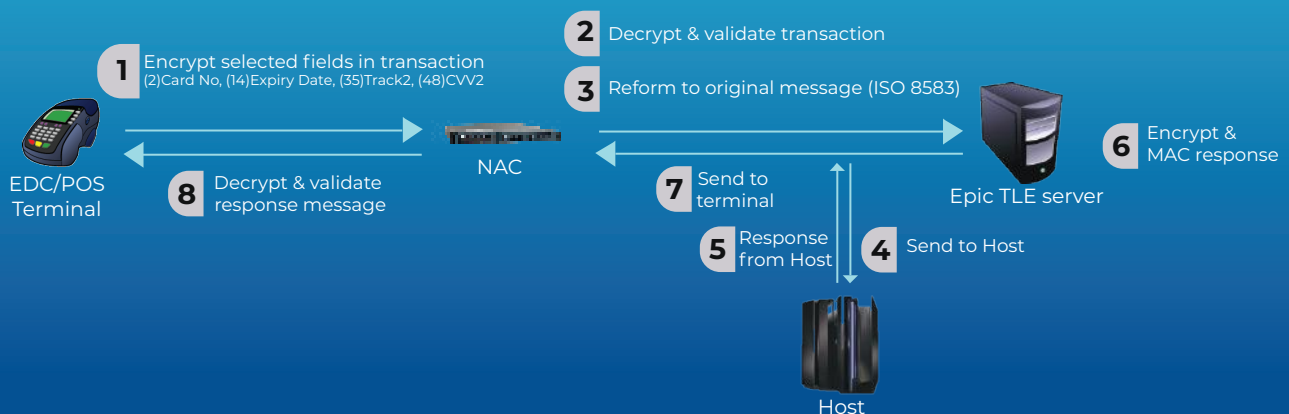
PreveNET TLE
(TERMINAL LINE ENCRYPTION)

IS DEVELOPED BY EPIC LANKA, A PIONEER IN CARD PAYMENT SOLUTIONS FOR OVER 25 YEARS,
TLE is a comprehensive communication channel encryption solution to safeguard against all forms of wire-tapping attacks through:

- Encryption
- Authentication
- Key management

HOW DOES PREVENET TLE'S TECHNOLOGY HELP COUNTER FRAUD?

1 Encrypt selected fields in transaction
(2)Card No, (14)Expiry Date, (35)Track2, (48)CVV2

2 Decrypt & validate transaction

3 Reform to original message (ISO 8583)

EDC/POS Terminal

NAC

8 Decrypt & validate response message

7 Send to terminal

5 Response from Host

4 Send to Host

Epic TLE server

6 Encrypt & MAC response

Host

- All-inclusive risk management component which provides local BIN management, BIN blocking and flagging of suspicious transactions

- Capability of integrating with any Active Directory (AD) Server

- Various kind of reports pertaining to system/transaction notifications, system audit trace, transaction traffic statistics and insights

- Support for virtually any terminal model

- Works as a plug and play system with simple integration thereby requiring no changes to the existing payment infrastructure

- Flexibility to enable and disable element level encryption in request and response messages

- PCI Software Security Framework (SSF) compliant to remain up-to-date with the latest security standards and to handle evolving security threats

- Unmatched encryption versatility, offering the power of both Triple Data Encryption Standard (TDES) with key sizes of 112 or 168 bits and Advanced Encryption Standard (AES) with key lengths of 128, 192, or 256 bits

- Flexible key injection processes, including Over-the-Air (OTA) Key Downloading, revolutionizing the distribution of encryption keys and transforming the way they are securely delivered

- Leverages the Key Blocks method over the Key Variants method for enhanced security and secure management of cryptographic keys

PreveNET TLE comes with many unique features and capabilities:

- Capable of integrating with any Active Directory (AD) Server

- Able to generate reports pertaining to system/transaction notifications, system audit trace, transaction traffic statistics and insights.

- Addresses the security vulnerabilities to help align with international and internal security policies.

- All-new Web Application is provisioned by incorporating the latest UI/UX practices for simplicity and usability.

- All-inclusive risk management component which provides local BIN management, BIN blocking and flagging of suspicious transactions

- PreveNET TLE Server can function as a Digital Receipt Repository

PCI DSS COMPLIANT

Protecting your customers vulnerabilities created through digital fraud should not be an option, but a priority. It builds customer confidence leading to an increased customer retention rate and acquisition rate.

PreveNET Terminal line Encryption is developed to meet with all international standards and is Augmented with PA-DSS V3.2 certification.

www.epictechnology.lk

Call Sanjeeva for more details on TLE

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