



PCI Validated Point-to-Point Encryption

Encrypt payment card data, reduce scope, & strengthen security

TC Safe[™] is a comprehensive PCI-Validated Point to Point Encryption (VP2PE) solution. It allows clients to accept payment transactions in a secure and compliant manner from self-service and retail channels—POS, call center, unattended/kiosk.

What Is PCI Validated P2PE?

In order to ensure the highest level of payment data protection when using encryption, the PCI Security Standards Council (PCI SSC) created a standard for P2PE, consisting of more than 600 rigorous controls. A PCI VP2PE solution includes validated hardware, software, and solution provider environment and processes.

TC Safe - PCI Validated P2PE

TC Safe safeguards credit and debit card payments by encrypting all data within a PCI PIN Transaction Security (PTS) Secure Reading Exchange of Data (SRED) certified device. No clear-text cardholder data is accessible in the device, in transit, or within a merchant's system.

Encrypting at the point of interaction makes sensitive information undecipherable and useless to

hackers. By eliminating clear text cardholder data from a merchant's environment and combining the solution with TC IPA, TC Safe can diminish PCI DSS scope. TC IPA is a semi-integrated payment application that allows Primary Account Number (PAN) data to go directly to TC cloud services instead of through the POS, descope those systems.

Cardholder data is passed to the client network in a dual encrypted state until decrypted within our secure P2PE validated environment.

Simplify Compliance Efforts

PCI Validated P2PE solutions may allow for a significantly shorter PCI DSS evaluation and overall compliance effort. Clients may be eligible for the Self-Assessment Questionnaire (SAQ) P2PE short form, which consists of approximately 33 questions instead of the longer 329 question SAQ D. Involve your P2PE QSA early in the process and make sure they review the PIM for proper roll out and implementation.

Getting Started

Implementing a P2PE Validated solution comes with stringent

requirements. Scope reduction is not solely accomplished with technology implementation, but also involves mandated requirements to which merchants must adhere. Here are some important considerations:

- » The TrustCommerce P2PE Instruction Manual (PIM) is a guideline document provided to clients for adhering to the requirements of our P2PE validated solution.
- » Device tracking for VP2PE is a requirement. You will need a mechanism to ensure that the security of the device is maintained.
- » TC Safe supports Ingenico and ID TECH PCI PTS SRED certified hardware. Clients who already have supported devices, will need to have them re-injected with a P2PE key in accordance with the PIM. In addition to new encryption keys, Ingenico devices will need to have Ingenico Group's OnGuard P2PE technology activated.