

EVIDEN

Crypt2pay HSM

Crypt2pay HSM is a high-performance encryption device designed to secure transactions involving bank or private cards, whether contact or contactless, as well as all operations conducted in card processing centers.

Crypt2pay HSM goes beyond payment transactions extending its functionalities to secure transactions involving other cards in realms like health or identity, and to other types of equipment such as smart meters or connected objects.

Crypt2pay HSM, already deployed by major European banks, ensures the required security levels for diverse card applications. Its cryptographic services extend to securing transactions for connected smart devices.

The product range incorporates sophisticated cryptographic technology, ensuring flexibility and strong reliability. Easy upgrades on the Hardware Security Module (HSM) enable the system to stay up-to-date with evolving market trends.

In addition, Crypt2pay HSM also integrates general purpose functions accessible through standard purpose interfaces to cover all needs to protect stored data (database encryption) or exchanged data (protection of SSL/TLS keys) and meet PCI DSS requirements.



Flexibility



High Level of
Security



Maximal
scalability

Characteristics

Algorithms

- DES : Triple DES
- RSA: Keys up to 4069bits
- PKCS1.5 and PSS signature
- SHA-1, SHA-2, SHA-3
- HMAC
- AES: 128, 192 and 256 bit keys
- ECDSA: ANSI and Brainpool named curves

Performance

- Crypt2pay XT: 100 to 3600 PVV tps

Compliance

- | | |
|---------------------|---------------------------|
| • EMV 4.2 CPA | • DUKPT 2009 & 2017 |
| • Visa VIS 1.6.0 | • X9 143 2021 |
| • MasterCard Mchip | • TR34 2012 |
| • AMEX CSC™ | • HCE Cloud based payment |
| • 3-D Secure™ | • LoRa |
| • Paypass & Paywave | |

Certifications



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