

- Hardware Security Module



SJJ1747

Financial Data Encryption HSM

Product Functions

Algorithm Support

- SM1 / SM2 / SM3 / SM4 / SSF33
- SHA* / MD5
- DES / 3DES / AES / IDEA / RSA

Technical Support

- Management of key generation, distribution, replacement, backup, recovery, storage, destruction, etc.
- Data hardware encryption and decryption of multiple algorithms and modes (ECB, CBC)
- Conversion and encryption of multiple PINBLOCK formats
- Digital signature and verification of SM2 and RSA algorithms
- MAC / TAC generation, verification, and support application cipher text ARQC generation and verification
- VISA card PVV / CVV generation and verification
- MasterCard CVC generation and verification
- American Express Card CSC Generation and verification

Product Features

High Compatibility

- Complete functional interfaces
- Compatible with the mainstream key system

Superior Performance

- The maximum value of symmetric algorithm =40,000TPS
- The maximum value of asymmetric algorithm=50,000TPS

Reliability

- The hardware and software architectures adopt redundancy design
- Support cluster management

Efficiency

- Providing multi-channel secure management modes (native management & remote management)

Security

- Secure and reliable key protection mechanism to support the emergency destruction mechanism
- Monitoring equipment status and providing API access to customers' internal monitoring system

Successful Cases

