# TRUSTED HUB HSM APPLIANCE

Trusted Hub HSM Appliance is a cryptographic machine that supports international algorithms and can be connected to the application system via Ethernet, it provides data encryption & decryption, signature & verification, and key management services for application systems. The modular design makes it easier to integrate the Trusted Hub HSM Appliance with existing information systems. Provides easy-to-use management tool to greatly improve the security and maintainability of the HSM, providing customers with secure, reliable and easy-to-use password services.

## Security & Compliance

Tamper-evident hardware for key storage
Support securely backup and duplicate keys in hardware level
Support Multi-roles
Support secure audit logging

## Cost-effective

Support remote management
High efficient and easy-to-use management kit
Reduced audit and compliance costs and burdens
Support partition for different demands
Trusted Hub Client provides flexible portability and high efficiency

## Host Interface

Two gigabit Ethernet ports with port binding function
Support IPv4 and IPv6

## Management & Monitoring

Backup and restore
Accident recovery
SNMP, Syslog

## Specifications

| | | | | |
|---|---|---|---|---|
| Supported Operating Systems | **Windows, Linux**<br>**Virtual: VMware** | Dimensions | **320 × 389.2 × 40mm**<br>**Standard 1U rack or desktop mounting equipment** |
| Supported API | **PKCS#11**<br>**Java and C** | Weight | **6kg** |
| Cryptography | **Asymmetric:**<br>**RSA, ECDSA**<br>**Symmetric:**<br>**AES128/192/256**<br>**Hash/Message:**<br>**SHA-1/256/384/512**<br>**Random Number Generation:**<br>**Designed to comply with SP800-90A**<br>**CTR-DRBG** | Power Adaptor | **Input: 100 ～ 240V (50/60Hz)**<br>**Output: 11.4 ～ 12.6V** |
| | | Power Consumption | **90W typical** |
| | | Operating Temperature | **-10°C ～ 60°C** |
| | | Storage Temperature | **-20°C ～ 60°C** |
| | | Humidity | **5 ～ 90% (38°C) non-condensing** |