



Entrust nShield® HSM/i Test and Development Kit

Lightweight, portable, USB-connected HSM that empowers your chip personalization test and development needs

HIGHLIGHTS

The nShield HSM/i Test and Development Kit is a full-featured, USB-connected device that delivers vital functions for financial and identification issuance with convenience and value. The functions include data preparation, key generation, and data protection.

- Fully compatible with Adaptive Issuance™ Key Manager (version 8.2.3 or higher)
- Supports virtual machine environments for deployment flexibility
- Offers the same cryptographic features as the high-volume nShield HSM/i production devices

KEY FEATURES & BENEFITS

Highly portable

Its small, lightweight design with convenient USB connection supports a variety of platforms, including laptops and other portable devices.

Cost-effective with production-like features

The most economical HSM in the nShield HSM/i family, the nShield HSM/i Test and Development Kit gives you an entry-point HSM, which supports the same features as the production HSMs. It allows for full validation of your data preparation and smart card personalization applications prior to production deployment.



Learn more about the nShield HSM/i at [entrust.com](https://www.entrust.com)



Entrust nShield HSMi Test and Development Kit

TECHNICAL SPECIFICATIONS

Supported cryptographic applications

- Asymmetric algorithms: RSA, Diffie-Hellman, ECMQV, DSA, El-Gamal, KCDSA, ECDSA (including NIST, Brainpool & secp256k1 curves), ECDH, Edwards (Ed25519, Ed25519ph)
- Symmetric algorithms: AES, Arcfour, ARIA, Camellia, CAST, DES, MD5 HMAC, RIPEMD160 HMAC, SEED, SHA-1 HMAC, SHA-224, HMAC, SHA-256 HMAC, SHA-384 HMAC, SHA-512 HMAC, Tiger HMAC, Triple DES
- Hash/message digest: MD5, SHA-1, SHA-2 (224, 256, 384, 512 bit), HAS-160, RIPEMD160

Supported issuer EMV certificates

- American Express
- Discover®
- Elo
- Interac
- Japan Credit Bureau (JCB)
- Jetco
- Mastercard®
- NSICCS Indonesia
- RuPay
- UnionPay
- Visa®
- VCCS Vietnam

Related software

- Adaptive Issuance™ Chip Interface Software 8.2.3 or higher
- Adaptive Issuance™ Key Manager Software 8.2.3 or higher
- Adaptive Issuance™ EMV Data Prep and Perso Software 8.2.3 or higher
- Adaptive Issuance™ MULTOS Data Prep and Perso Software 8.2.3 or higher
- Instant Financial Issuance Software 6.9 or higher
- Security World software version compatible with your Key Manager Software version

Security compliance

This product is intended for test and development use only, and is not suitable for production use. Do not use with non-test keys or with a DMK used to protect production keys. The nShield HSMi Test and Development Kit offers all the security and key management features of the other nShield HSMs, but with reduced processing speed.



Entrust nShield HSM/ Test and Development Kit

Host connectivity

- USB port (1.x, 2.x compliant)

Physical characteristics

- Portable desktop device with integrated smart card reader
- Dimensions with stand open 120 x 118 x 27mm (4.7 x 4.6 x 1in)
- Weight: 340g (0.8lb)
- Input voltage: 5v DC powered by USB host device
- Power consumption: 700mW

ABOUT ENTRUST CORPORATION

Entrust keeps the world moving safely by enabling trusted identities, payments, and data protection. Today more than ever, people demand seamless, secure experiences, whether they're crossing borders, making a purchase, accessing e-government services, or logging into corporate networks. Entrust offers an unmatched breadth of digital security and credential issuance solutions at the very heart of all these interactions. With more than 2,500 colleagues, a network of global partners, and customers in over 150 countries, it's no wonder the world's most entrusted organizations trust us.



Learn more at
[entrust.com](https://www.entrust.com)



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