HID®

HID® TRISM™ HSM XT

HIGHEST SECURITY AND SUPPORT FOR DUAL INTERFACE CARDS

KEY FEATURES:

- PCI PTS HSM v3 certified
- Dual Interface Card Support
- Compact 19" rack mount
- Part of the HID TRISM, all-in-one financial instant issuance solution

- **PCI PTS HSM Security Requirements v3 Certified –** Meets the highest Payment Card Industry standards for Hardware Security Modules (HSMs) serving the financial market.

- **Enables Dual Interface Card Programs –** Supports the latest Visa® and Mastercard® requirements for contactless transactions which includes Offline Data Authentication (ODA).

- **Compact Footprint –** Efficiently designed for easy storage in a standard 1U 19" rack mount cabinet.

- **Built for Instant Issuance –** Designed to meet the unique security needs of financial card instant issuance, the HSM XT integrates with HID® TRISM™ Financial Instant Issuance Software.

The HID® TRISM™ HSM XT (Hardware Security Module XT) is designed to meet the unique security needs of financial institutions that offer in-branch, financial card instant issuance. It helps ensure your customers' data and transactions remain secure by providing vital cryptographic key management and the encryption of sensitive financial information—including the Card Verification Value (CVV) and the Personal Identification Number (PIN). Combined with HID's TRISM Financial Instant Issuance (Fii) Software, the HSM XT provides an essential safeguard for your institution's overall Fii program.

Certified to meet the latest (v3) PCI PTS HSM security requirements, HID's TRISM HSM XT raises the bar for data security. This high value asset ensures your overall financial instant issuance solution delivers on the level of data protection your customers demand. What's more, the PCI PTS HSM security standard will remain current until April 2026, ensuring your HSM investment is protected well into the future.

The HID TRISM HSM XT also supports the latest requirements for dual interface cards. It personalizes the chip so that it can perform offline data authentication (ODA) via new requirements as set forth by Visa® and Mastercard® for contactless transactions. Dual interface card programs offer your customers a new level of purchasing power and convenience— enhancing their overall experience while giving your institution a measurable advantage over competitors.

Featuring a compact design, the HSM XT fits neatly within a standard 19" rack mount cabinet, so it can be conveniently stored with the rest of your financial institution's IT equipment.

Beyond its security and function, the HID TRISM HSM XT integrates seamlessly with HID TRISM Financial Instant Issuance Software. Together with card printers, PIN pads, consumables and services, HID Global offers a true "one-stop-shop" for your institution's Fii program. Contact us today and find out what HID TRISM can do for your institution.

AVAILABLE HID TRISM INTEGRATED FINANCIAL INSTANT ISSUANCE (Fii) SOLUTION COMPONENTS:

- **HID TRISM Fii Software –** Advanced, PCI-compliant software package that runs on your bank's network and integrates with your Account Processor (AP), EFT processor, and credit card processor, enabling instant issuance and activation of payment cards.
- **HID TRISM HSM XT (Hardware Security Module XT) –** Manages cryptographic keys and encrypts sensitive financial data during transmission, helping ensure your customers' data and transactions remain secure.
- **VeriFone® VX 805 PIN pad -** Enables cardholders to conveniently select their own PIN in the branch at the time of card issuance.

- **HID FARGO® HDPii and DTCii Card Printers –** Securely personalize, encode and print activated cards for instant, in-branch issuance. Choose from HDP® (High Definition Printing®) or DTC® (Direct-to-Card®) models to meet every need.
- **Precision-engineered Consumables –** High performance, color print ribbons and HDP Film (as applicable) maximize the performance of your HID FARGO Card Printers for secure, durable and sharp looking financial cards.
- **Program Management, Implementation and Training Services -** Professional services for financial instant issuance solutions can assist in project planning and management from start to finish.

SPECIFICATIONS

	HID PART NUMBER:	DESCRIPTION:
HSM XT Kit Contents	EQ-HSMXT-M	HSM XT
	EQ-HSMPPAD	PIN Pad
	EQ-HSMSC	(3) Smart Cards
	NAME	**ABBREVIATION**
Supported Key Types	Master File Key / Master Backup Key	MFK / MBK
	Database Encryption Key	DEK
	Card Verification Values	CVV/CVC
	Key Encryption Key	KEK
	PIN Offset Key	PVK
	EMV: Master Key for Personalization	KMC
	EMV: Issuer Master Key (Mastercard)	IMK-AC (encryption for EFT) IMK-EMC (encrypts EMV data) IMK-SMC (encrypts EMV data) IMK-MAC (generates MAC Code) IMK-SMI (generates MAC Code)
	EMV: Issuer Master Key (Visa)	IMK-AC (encryption for EFT) IMK-EMC (encrypts EMV data) IMK-SMC (encrypts EMV data) IMK-MAC (generates MAC Code) IMK-SMI (generates MAC Code)
	Issuer Public / Private Key Pair	Visa / Mastercard requirement for contactless transactions
Diagnostic Calculations	PIN, PVV, CVV	
Offline Data Authentication (ODA)	Allows POS terminals to confirm EMV transation. Required for Visa and Mastercard Contactless Transactions	
Network Requirements	TCPIP, 100 Base T	
PCI Supported Standard	PCI PTS HSM v3	
Equipment Safety	IEC/EN 60950-1 (CB scheme) UL	
Cryptographic Algorithms	TDEA / 3DES, AES, RSA, DSA, SHA-1, SHA-224, SHA-256, SHA-512, MAC	
Key Management Algorithms	Master / Session, DUKPT	
AC Power Supply	100 to 240 Vac, 50-60 Hertz, 3-1.5A, 150 W Power consumption typically 45 W / 66 VA, maximum 50 W / 70 VA	
Environmental Temperature	50°F - 122°F (10° C - 50° C) in operation; 10-95% relative humidity, non-condensing	
Heat Dissipation	171 BTU/hr	
Weight	11 lbs (5kg)	
Dimensions	1.72" x 15.3" x 9.80"(43.8 mm x 390 mm x 249 mm)	

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