

HP Atalla Trusted Print Center

Data sheet



The Atalla Trusted Print Center is a complete, integrated, and secure in-house solution used to generate, encrypt, and print sensitive PIN or key component data on secure mailers meant to be seen only by the intended recipient.

Features at a glance

- Secure generation and printing of PINs or cryptographic keys
- Sensitive data never in the clear from hardware security module to secure folded form
- Custom ATPC network security processor certified to FIPS 140-2 Level 3 standard
- Easy key management with the Atalla Secure Configuration Assistant
- Flexible, user-friendly solution with a graphical user interface
- Multiple secure printers, local or remote, that provide for flexible transaction growth
- Manual input or batch input of customer data
- Configurable card embosser output
- Comprehensive search and reporting features

The HP Atalla Trusted Print Center (ATPC) is a cost-effective in-house solution used to generate PINs (personal identification numbers) and print PIN mailers that advise account holders of their PIN in a secure manner. A PIN mailer is a tamper-evident form where the PIN is never visible to anyone until the intended recipient opens the folded secure form. Until the advent of the ATPC, this essential process within financial institutions has been less than secure.

Secure distribution of PIN mailers

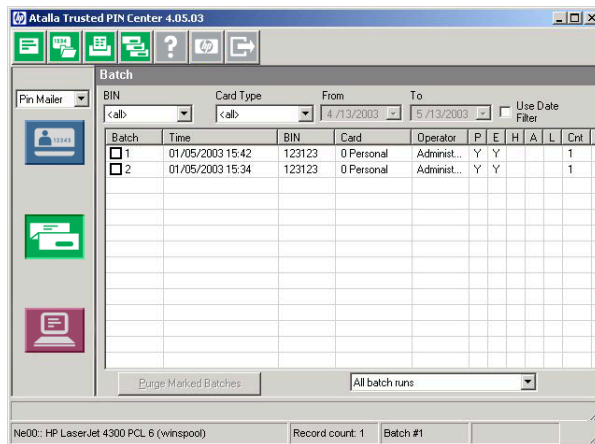
After a secure initialization process on the ATPC network security processor (NSP), the user may input customer and organization data. Customer PINs are generated within the secure boundary of a custom Atalla NSP and encrypted with the Advanced Encryption Standard (AES). They are then transmitted to a local or a remote HP LaserJet printer where the PINs are decrypted. A LaserJet Print to Mail accessory folds and seals the PIN mailer for distribution by post. Customer PINs are never in the clear throughout the process.

Banks, brokerage houses, benefit providers, or any organization that assigns PINs for secure access to accounts can save time and money using the Atalla Trusted Print Center when compared to costly third-party bulk production organizations. The ATPC provides ample flexibility to customize the solution to the needs of any financial institution, including the requirement to print password notices, instead of PIN mailers, on the secure form.

Secure distribution of cryptographic keys

The protection and changing of unique keys within an ATM or POS device is essential to the security of banking networks. Today, the distribution of key components is a logistical nightmare for financial institutions. Like PIN mailers, the ATPC solution generates, encrypts, transmits,

decrypts, and prints key components on secure ATPC forms, maintaining the best security practices such as the dual-control principle. The two technicians servicing the remote cryptographic device open their tamper-evident forms and inject their respective key components using the Atalla Secure Configuration Assistant, then communicate the completed tasks to the host application for the final test of the newly injected key. The sensitive cryptographic key is never "in the clear" from the network security processor until used at the ATM or POS device.



The ATPC solution includes easy-to-use tools: the Atalla Secure Configuration Assistant handheld device and the ATPC comprehensive graphical user interface.

Cryptographic support

- Visa, MasterCard, and American Express card verification
- Multiple BINs (bank identification numbers) and encryption keys
- Encrypted key loading via the Atalla Secure Configuration Assistant
- Atalla Key Block key management
- DES, two- and three-key Triple-DES, and AES encryption standards

For more information

For 30 years, Atalla network security products have defined the standards for cryptographic processing. The highest levels of protection, performance, and flexibility are built into the Atalla Trusted Print Center.

For essential details on ordering the ATPC solution or to obtain an ATPC support agreement, contact the Atalla Sales Help Desk at 1 (800) 523 9981 or +1 (408) 285 5434 (international).

Ordering information

Product ID T16/ATPC41 for use with HP LaserJet 4100n printer
T16/ATPC42 for use with HP LaserJet 4200n printer
T16/ATPC43 for use with HP LaserJet 4300n printer

Description HP Atalla Trusted Print Center consists of

- Custom Atalla network security processor
- Atalla Secure Configuration Assistant
- 1U, rack-mountable, HP ProLiant server with specially designed pick-resistant locks running the Microsoft Windows 2000 operating system
- PIN mailer application or key component application software
- Secure DIMM II printer memory expansion chip
- HP LaserJet Print to Mail accessory
- Secure ATPC form starter set

Note: The customer must purchase in-country one or more LaserJet 4100n, 4200n, or 4300n printers, as well as provide a monitor, keyboard, and mouse for the ATPC.

Specifications Specifications for ATPC solution components such as Atalla Ax100 network security processors; Atalla Secure Configuration Assistant; Windows 2000-based HP ProLiant servers; LaserJet 4100n, 4200n, and 4300n printers; and LaserJet Print to Mail accessory can be found on the www.atalla.com and www.hp.com websites.

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For more information, go to www.atalla.com.

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