

Total ID-One Issuance Program

Oberthur Technologies provides a total card issuance solution within a shared services framework. From the client's data facility, information is transmitted to one of Oberthur's secure locations in the United States to graphically and electrically personalize the identification credential. Processed credentials are then sent securely to the appropriate location for issuance via the security officer or directly to the holder. Using its ISO 9000 standards and US production experience of 200 Million Cards per year, Oberthur guarantees the final product meets the exact specifications of its clients. This shared services model ensures substantive cost savings, enhanced security and a superior framework to achieve an organization's ID Management objectives.



Oberthur Technologies

is a leading global provider of secure identification documents and platforms with over 150 years experience. Oberthur's three, highly secure production facilities in the United States ensure that agencies in any location nationwide can meet their PIV requirements more efficiently and affordably – using the company's Total ID-One Centralized Issuance Program.



- **Offices**
Los Angeles, CA
Exton, PA
Chantilly, VA
- **Manufacturing**
Los Angeles, CA
Exton, PA
- ▼ **Personalization**
Los Angeles, CA
Chantilly, VA
- ◆ **ISO 9001:2000 Certified**

Oberthur Advantages Include

- + **Security** – All facilities follow the latest in security practices and techniques. Oberthur has numerous security-related certifications which includes Visa, American Express, MasterCard, SAS 70, as well as additional certifications by specific customers.
- + **Location** – Oberthur has 2 locations to support personalization as well as two domestic manufacturing centers in the United States including a smart card manufacturing center.
- + **Turnkey service** – From ID card manufacturing to centralized card and chip per-personalization and personalization allows for speed to implementation, consistency of ongoing service and ID program cost-effectiveness for both long run (initial issuance) and short run (card re-issuance) jobs.
- + **Experience** – Extensive Federal and State government ID card issuance supporting over 65 Federal Agencies, DMDC, 8 State Medicaid and 26 EBT programs. This is coupled with being the largest issuer of Visa, MasterCard in the United States.
- + **Service** – Experience program managers, local customer service agents, on-site engineers, programmers and technicians who assure quick implementation and ongoing service for any ID credential program.
- + **Contingency** - Multiple locations to ensure back-up resulting from any catastrophic event as well as additional system and equipment redundancy.

In addition to ID card Manufacturing, Oberthur is also a Leader in Turnkey Centralized ID Credential Manufacturing, Personalization and Issuance. Oberthur is the only solution provider to have a state of the art Personalization Facility located in the Washington, D.C. area that is on the GSA Approved Products List. (Chantilly, VA approximately 35 minutes outside of the District.)

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Total ID-One cards are based on Oberthur Technologies' Dual or Dual Hybrid smart cards featuring on-board applications dedicated to identity and e-government services.

Oberthur's ID-One is available as a generic, FIPS 140 certified, Open Platform Java card for the customers to load their own applications, or as a FIPS 201 Compliant card to answer the HSPD 12 mandate. The chip's state of the art security architecture benefits from Oberthur's extensive expertise as a smart card world leader since the inception of smart cards in Europe in the late 1970's. It includes software and hardware countermeasures against the latest cryptographic attacks (both passive and active).

The Oberthur FIPS certified dual interface chip with or without PIV electrical functionalities is available in multiple form factors such as long lasting plastic cards, and also USB tokens with both contact and contactless interfaces.

Oberthur provides a PIV-II end point dual interface card that is FIPS 201 and FIPS 140 certified, and is listed on the the FIPS 201 Approved Product List from GSA. An optional built-in fingerprint match on the card using ISO-10794 minutia data format is available on Oberthur's PIV cards as an option.

A 125 KHz proximity chip and antenna from HID or Indala can be added as an option to the Oberthur PIV end point dual interface card to provide backward compatibility with legacy physical access control systems. The result is called the Oberthur PIV Dual Hybrid card.

Specifications and Features

- + Implements the latest version of Java Card 2.2, introducing features such as the Remote Method Invocation (RMI), logical channels and interoperable garbage collector.
- + Implements the Bio API defined by the Biometric consortium and the Java Card Forum.
- + Includes an on-card debugger to help developers fine-tune applications while they are running in their target environment.
- + A Cosmo development kit is available to help enhance familiarity with the card. The developer's kit further serves to assist the design, development, testing and debugging of applications running on the card.

ID One Cosmo	Characteristics	Cryptography	Enhanced Features	EEPROM	Contact ISO 7816	Contactless ISO 14443 (kbps)	Contactless Mifare	Contactless 125 Hz (HID/Indala)	USB	Certifications
v 5.2	Javacard 2.2 Open platform 2.1 1A Delegated management DAP/Mandated DAP RMI & logical channels High speed communication BIO API ISO 19794 match on card	3DES (128 & 192) RSA (up to 2048) SHA1 ISO 9796 ISO 9797 PKCS #1.5 OAEP PSS		72 KB	Up to 625,000 bps at 5 MHz	Up to 424	✓	✓		EAL5+ (chip) FIPS 140-2 Level 3 FIPS 186-2
v 5.3				36KB					✓	
v 5.4			AES (up to 256 bits)	72 KB	Up to 848	✓	✓	✓	EAL5+ (chip) FIPS 140-2 Level 3 FIPS 186-2	
v 5.5			SHA-1, SHA-224, SHA-256, SHA-384, SHA-512, AES (up to 256 bits) Elliptic Curves (up to 521) ECDSA, ECDH Extended Length APDU	128 KB	Up to 625,000 bps at 5 MHz	Up to 848	✓	✓	EAL 5+ (chip) FIPS 140-2 Level 3 FIPS 186-2	
PIV 64				72 KB	Up to 625,000 bps at 5 MHz	Up to 424	✓	✓	EAL5+ (chip) FIPS Level 3 FIPS 186-2 FIPS 201-1	
USB Token			AES (up to 256 bits)	72 KB		Up to 848	✓		EAL5+ (chip) FIPS 140-2 Level 3 FIPS 186-2	