



uTrust Secure Access Credentials

Digital Certificate-Enabled Smart Credentials for
Physical and Information Access

- **UNIVERSAL SMART CREDENTIALS FOR CONVERGED IDENTITIES**
Protects identities from door to data
- **PREMIUM SECURITY**
Standards-based smart credential secures all types of user information
- **COST-EFFECTIVE**
Migrates existing physical access badges to single, multi-application credentials

Identiv's uTrust Secure Access Credentials are a multi-application family of credentials for converged access, securing data integrity and authenticity. uTrust Secure Access Credentials protect multiple credential holder's identities from door (physical access control) to data (logical access control). Based on digital certificates, Identiv's portfolio provides trusted authentication, digital signatures, secure remote access, desktop login, and data encryption.

uTrust Secure Access Credentials are ideal for organizations seeking maximum security for a range of applications, including, but not limited to, employee ID badges, government to employee or government to citizen ID programs, and healthcare projects. Delivered in a convenient form factor, uTrust Secure Access Credentials provide end users with one single credential to access physical and logical resources, eliminating the need to carry multiple cards or devices or remember multiple passwords. uTrust Secure Access Credentials are a complete suite of products that enable commercial entities or governments to issue personal identity verification (PIV) cards and/or upgrade existing physical access control systems (PACS) to FIPS 201 compliance.

These credentials are based on Identiv's uTrust application, leveraging the PIV data model that is widely adopted in the U.S. government and referenced in worldwide card deployments. By design, the credentials can be used with any PIV-compatible system, including smart card middleware, Microsoft operating systems, and desktop readers. Additionally, uTrust Secure Access Credentials are fully compatible with all uTrust products for provisioning and managing secure identities in a variety of user applications.

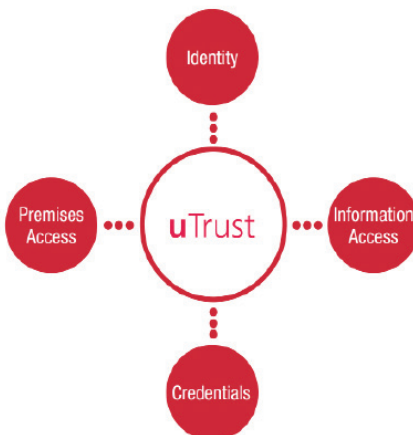
To facilitate future migration to uTrust Secure Access Credentials, Identiv offers additional types of credentials, delivered in different form factors, including contact and contactless cards. These credentials support various legacy technologies, including HID Prox, Casi, Indala, MIFARE Classic®, MIFARE® DESFire® EV1, and others. Identiv also builds specific credentials in card formats and configurations that are compatible with the majority of PACS systems on the market today.

PART NUMBER	PRODUCT NAME	DESCRIPTION
02-004C	uTrust SmartID 80K Smart Card with 125 kHz Proximity	High-security dual-interface smart card with low-frequency interface, ITS-ready, encoded for use with standard Identiv uTrust TS Readers, 26 bits programmed. Minimum Order: Lot of 100 cards.
02-006C	uTrust SmartID 80K Smart Card Contactless-Only with 125 kHz Proximity	High-security contactless smart card with low-frequency interface, ITS-ready, encoded for use with standard Identiv uTrust TS Readers, 26 bits programmed. Minimum Order: Lot of 100 cards.
20-001	uTrust SmartID 80K Smart Card with MIFARE DESFire EV1 4K	High-security, dual-interface smart card with DESFire EV1 interface, ITS-ready, encoded for use with standard Identiv uTrust TS Readers, 26 bits programmed. Minimum Order: Lot of 100 cards.
20-002	uTrust SmartID 80K SIM Punched Out	High-security smart card with SIM pre-cut, ID-1 card format, ITS-ready. Minimum Order: Lot of 100 cards.

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PARAMETER	UTRUST SECURE ACCESS CREDENTIALS
Supported Use Cases	<ul style="list-style-type: none"> Physical access (125 kHz proximity interface with high-security contactless smart card for sensitive data protection) Email and document signature and encryption Strong network and user authentication VPN access
Product Compatibility	Identiv uTrust TS Readers, Identiv uTrust (previously CLOUD) Readers or any PC/SC-compliant readers, Identiv Trust Services (ITS), any PIV/FIPS 201-accredited client software (middleware)
IC Technology (PKI Microprocessor)	JavaCard™ 2.2.2/3.0.1 and Global Platform 2.1.1
Cryptographic Services	SHA, AES, RSA, ECC, Triple DES using hardware accelerator; support for NSA cryptographic suite
EAS (Electronic Article Surveillance) mode	On-board feature to prevent shoplifting or pilferage of books, CD, DVD from libraries Usable in plain mode or 32-bit password protected
Industry Standards	FIPS-201 with NIST SP 800-73, SP 800-131, SP800-78, ISO/IEC 7816 (cards with contact module), ISO/IEC 14443 Type A for contactless (high-frequency 13.56 MHz), PLAID protocol (secure contactless)
RFID Options	MIFARE DESFire EV1 4 KB, 125 kHz Proximity (other options available on-demand, i.e., MIFARE Classic)
Dimensions	ISO/IEC 7810 standard ID-1 format: 3.375 x 2.127 x .012 in (85.60 x 53.98 mm x .30 mm)
Materials	Polyvinyl chloride (PVC)/polyester (PET) composite card construction for long-lasting use; Glossy white finish; FIPS 201-compliant card construction available at a premium price; Please consult your sales representative for more information
EEPROM Memory (for User Application)	80 KB (kilobytes)
Operating Temperature	-13° to 149° F (-25° to 65° C); 40 - 60% RH (relative humidity)
Endurance (Write/Erase)	500,000 cycles for the EEPROM memory
Security Features	Clock frequency, temperature, supply voltage and light sensors, single fault Injection (SFI) attack detection and protection against SPA/DPA, timing and fault attacks (DFA) options
Options	Blank white or custom artwork, high-coercivity magnetic stripe, custom chip encoding (for MIFARE DESFire EV1 or proximity)
Warranty	Warranted against defects in material and workmanship for a period of five (5) years from date of ship



The foundation of Identiv's trust solutions is a universal identity credential that can be used to trust or securely access any resource. uTrust Secure Access Credentials are created, provisioned, and managed with a cloud-based service. Identiv's uTrust products enable business executives and security leaders to make the paradigm shift from patchworked identity systems to a unified, simple, efficient identity solution that delivers higher security and resistance to obsolescence, for both premises and information access. uTrust products are unique in the marketplace as they are designed, tested, and supported to work together. No matter where you start, Identiv provides the confidence that you can build a complete system in which everything works together. In addition to our uTrust products for the enterprise customer, Identiv offers products targeted at the product owner who wants to establish trust for a product or everyday item. Identiv provides a ready-to-use infrastructure that delivers a trusted identity to anything, securing that identity with techniques such as standards-based digital certificates, and establishing trust for literally millions of everyday items.

Note: MIFARE + "product name" is a registered trademark of NXP. B.V. f.e. MIFARE Plus® is a registered trademark of NXP B.V.

Identiv (NASDAQ: INVE) is a global security technology company that establishes trust in the connected world, including premises, information, and everyday items. CIOs, CSOs and product departments rely upon Identiv's trust solutions to reduce risk, achieve compliance, and protect brand identity. Identiv's trust solutions are implemented using standards-driven products and technology, such as digital certificates, strong authentication, mobility, and cloud services.

Identiv has offices worldwide. Addresses and phone numbers are listed at identiv.com/contact. For more information, visit identiv.com or email sales@identiv.com.

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