



uTrust TS Cards

Secure, Open and Highly Compatible Solution for Physical Access Control

- uTrust TS Standard 256B ISO Card
- uTrust TS Migration 256B Plus Prox ISO Card

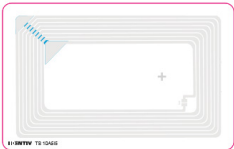
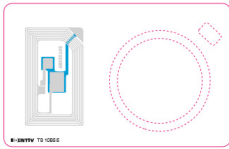
Identiv's uTrust TS Card is a simple, modern, and secure credential for physical access control, based on NXP®'s MIFARE DESFire EV1 high-frequency (HF) 13.56 MHz technology.

When used with Identiv's uTrust TS Readers, the uTrust TS Card provides a simple and cost-effective path to mitigating emerging security and compliance challenges, while maintaining compatibility with existing physical access control systems (PACS).

In contrast with other HF access cards that increase costs and fail to reduce the complexity of ordering and usage, uTrust TS Cards are priced to be less expensive than all alternatives, even typical low-frequency (LF) 125 kHz proximity cards from leading vendors.

To simplify the migration from existing systems, uTrust TS Cards support a variety of data formatting and encoding commonly used in the physical access control industry, including 35-, 37-, and 40-bit formats. In addition, the uTrust TS Migration Card includes a 125 kHz LF proximity interface that is compatible with most existing LF proximity readers in use today.

FEATURES	BENEFITS
COMPELLING PRICING	<ul style="list-style-type: none"> • Priced significantly below equivalent competitive HF and LF offerings • Even the most sophisticated uTrust TS Card is less expensive than a standard proximity card from other leading vendors
HIGH SECURITY	<ul style="list-style-type: none"> • Based on industry-standard MIFARE DESFire EV1 technology (evaluated to Common Criteria EAL4+), providing a high level of security assurance • Leading competing cards use proprietary protocols and carry no independent security certifications
OPEN DESIGN	Standards-based card technology (MIFARE DESFire EV1), combined with a published encoding profile, enables easy integration into third-party products (e.g., other OEM reader products, printers, etc.)
SIMPLE ORDERING	<ul style="list-style-type: none"> • Available in just two base part numbers: Standard (HF only) for new installations and Migration (HF and LF) for compatibility with existing reader infrastructure • Competing solutions feature many different underlying technologies, and hundreds of part numbers, making it difficult to order the right card
SIMPLE ENROLLMENT	May optionally be used with the uTrust TS Enroller, an integrated enrollment reader that simplifies the daily process of enrolling new cards
BROAD COMPATIBILITY	<ul style="list-style-type: none"> • May be programmed with a variety of different card data formats to match existing infrastructure, including 35, 37, and 40 bit, with others available on request • uTrust TS Migration Card incorporates 125 kHz proximity technology, ensuring compatibility with a wide range of existing readers • uTrust TS Migration Cards are also available with different card number programming between the HF and LF interface, as needed, and can support 26-bit encoding on the LF interface
LIMITED LIFETIME WARRANTY	Limited lifetime warranty against material defects and workmanship
EXPRESS DELIVERY	Providing prompt, accurate, and courteous service with an emphasis on speed

SPECIFICATIONS		
Model	uTrust TS Standard 256B ISO Card	uTrust TS Migration 256B Plus Prox ISO Card
Supported Application	Physical Access Control	
RFID Interface	13.56 MHz only (HF, ISO/IEC 14443A)	13.56 MHz (HF, ISO/IEC 14443A) and 125 KHz (LF)
Chip Technology	NXP MIFARE DESFire EV1 256 Bytes	NXP MIFARE DESFire EV1 256 Bytes and Atmel AT5577
Cryptographic Algorithms	AES-128 with key diversification, and CMAC protection for card commands	
Cryptographic Key Management	Identiv Key Set (NextUp Secure) or customer-specified keys* (NextUp VIP)	
Card Format / Encoding	Managed formats to ensure that uniqueness of numbers guaranteed. See uTrust TS Card Ordering Guide for details.	
Security Certification	Common Criteria EAL4+	
Credential Form Factor	ISO Card (ID1 format)	
Dimensions	3.37 x 2.125 x 0.033 in (85.6 x 54 x 0.84 mm)	
Weight	0.212 oz (6 g)	0.15 oz (4.3 g)
Read Range**	Up to 1.5 in (38 mm) using the HF interface	Up to 2.5 in (63.5 mm) using the LF interface
Slot Punch	Vertical or horizontal slot punch marks (punching of the cards can be done by Identiv at extra charge)	
Operating Temperature	-49° to 158° F (-45° to 70° C)	
Material	Durable using composite with a mix of PVC (60%) and PET (40%)	
Identiv Part Numbers	5020-SDXXX (XXX is variable based on card configuration ordered, refer to the TS Card Ordering Guide for more information)	5020-MDXXX (XXX is variable based on card configuration ordered, refer to the TS Card Ordering Guide for more information)
Product		
Compatible Readers	<ul style="list-style-type: none"> Identiv's uTrust TS Readers (Advanced, Migration, and ScramblePad) All ISO 14443 HF UID Readers 	<ul style="list-style-type: none"> Identiv uTrust TS Readers (Proximity, Migration, and ScramblePad) All ISO 14443 HF UID Readers All HID proximity-compatible 125kHz LF readers

* Extra charge for this option.

**Read range is dependent on installation environment and reader tuning.



Supported PACS Formats

uTrust TS Cards can be encoded in numerous Wiegand data formats. Please refer to the uTrust TS Card Ordering Guide for further details.

Identiv (NASDAQ: INVE) is the leading global player in physical security and secure identification. Identiv's products, software, systems, and services address the markets for physical and logical access control and a wide range of RFID-enabled applications. Customers in the government, enterprise, consumer, education, healthcare, and transportation sectors rely on Identiv's access and identification solutions. Identiv's mission is to secure the connected physical world: from perimeter to desktop access, and from the world of physical things to 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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