

uTrust TS Cards

Modern, Secure, and Open



uTrust TS Cards are secure credentials for physical access control, based on NXP[®]'s MIFARE DESFire EV1/EV2 HF 13.56 MHz technology.

Identiv's uTrust TS Cards are modern, secure credentials for physical access control, based on NXP®'s MIFARE DESFire high-frequency (HF) 13.56 MHz technology, and are compatible with 125 kHz LF proximity card systems. Standards-based card technology (MIFARE DESFire EV1 or EV2), combined with a published encoding profile, enables easy integration into third-party products (e.g., other OEM reader products, printers, etc.).

uTrust TS Cards may be used with the uTrust TS Universal Enroller, an integrated enrollment reader that simplifies the daily process of enrolling new cards. uTrust TS Cards come with a limited lifetime warranty against material defects and workmanship.

When used with Identiv's uTrust TS Readers, uTrust TS Cards provide an easy, cost-effective path to mitigating emerging security and compliance challenges, while maintaining compatibility with existing physical access control systems (PACS).

In contrast to 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.

Compelling Pricing

- Priced significantly below equivalent competitive HF and LF offerings
- Even the most sophisticated uTrust TS Card is less expensive that a standard proximity card from a 3rd party supplier

High Security

 Based on industry-standard MIFARE DESFire EV1/EV2 technology (evaluated to Common Criteria EAL4+ or higher), provides a high level of security assurance

Simplified Migration

- Can be programmed with a variety of different card data formats to match existing infrastructure, including 26, 35, 37, and 48 bit, with others available on request
- Migration cards incorporate 125 kHz proximity technology (ensuring compatibility with existing readers), are available with different card number programming between the HF and LF interface, and can support 26-bit encoding on the LF interface

II PENTIV DATA SHEET

Specifications

Model	uTrust TS Standard 256B ISO Card uTrust TS Standard 2K/4K/8K ISO Card	uTrust TS Migration 256B Plus Prox ISO Card uTrust TS Migration 2K/4K/8K 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 256B or EV2 2K/4K or 8K Bytes	NXP MIFARE DESFire EV1 256B or EV2 2K/4K or 8K Bytes and Atmel T5577
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+ for DESFire EV1 and EAL5+ for DESFire EV2	
Credential Form Factor	ISO Card (ID1 format), ISO/IEC 7810	
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%)	
ldentiv 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	31 2513 Jame 4462 Jame 31 2218 Jame	B.2103.300 103.503.300 I GRITH IS 5056
Compatible Readers	 Identiv's uTrust Readers (Advanced, Migration, and ScramblePad) uTrust TS Universal Card Enroller All ISO 14443 UID readers 	 Identiv's uTrust Readers (Advanced, Migration, and ScramblePad) uTrust TS Universal Card Enroller All ISO 14443 UID readers All HID proximity compatible 125kHz LF readers

* Extra charge for this option.

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

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

IDENTIV DATA SHEET

Identiv (NASDAQ: INVE) is a global provider of physical security and secure identification. Identiv's products, software, systems, and services address the markets for physical and logical access control, video analytics and a wide range of RFID-enabled applications. For more information, visit identiv.com or email sales@identiv.com.

TECHNICAL DATA IS SUBJECT TO CHANGE WITHOUT NOTICE. REVISION DATE: 2020-12-01

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