



## ICPAM Credentials

Proximity and Secure Credentials for Physical Access

- PROXIMITY CARD
- PROXIMITY KEY FOB
- PROXIMITY STICKER
- PROXIMITY WRISTBAND
- TS CREDENTIALS
- SECURE CREDENTIALS









Identiv Connected Physical Access Manager (ICPAM) Credentials can provide higher security and additional functionality while reducing the cost of credentials used in new or existing physical access control systems (PACS). Identiv credentials are available with low-frequency (125 kHz) proximity encoding, high-frequency (13.56 Mhz) contactless smart card encoding, or both, and keyfobs and stickers are available in low-frequency formats. All Identiv credentials may be used in systems based on legacy CPAM Gateways, new Identiv Connected Physical Access Manager (ICPAM) Controllers, and in most access control systems from various manufacturers.

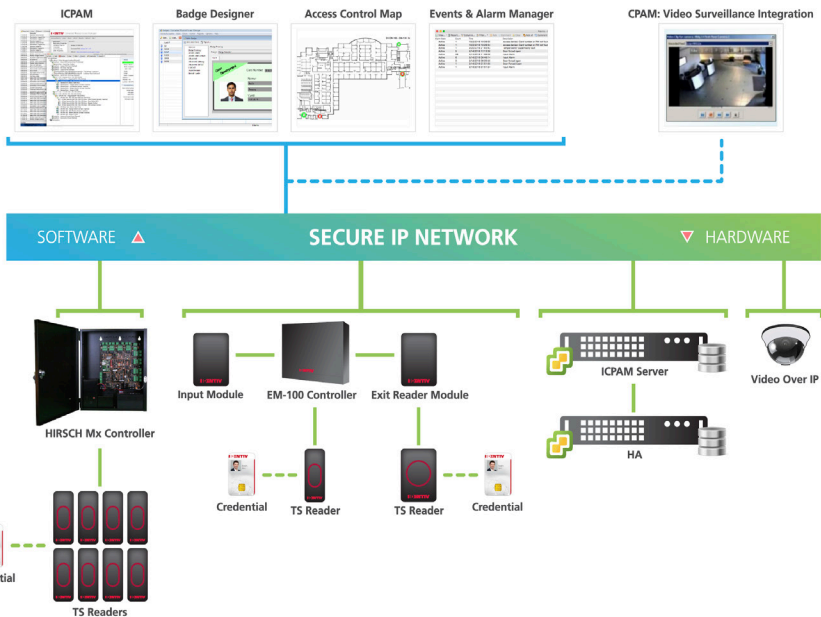
To address the needs of customers requiring a more secure credential than legacy proximity, Identiv offers the ICPAM Secure Credential as well as TS Cards (using NXP DESFire chips). Operating at 13.56 MHz, these credentials follow international standards (ISO/IEC 14443) for maximum security and interoperability. The credential ID is stored in a secure memory area on the smart card chip, which is protected by an encryption key. Only Identiv TS Readers with the correct encryption key can unlock the memory containing the number, which is then sent to the reader with 128-bit AES session key derived from the encryption key. This process prevents card cloning, protecting the card ID number while the card is at rest and during authorized contactless transmissions. ICPAM Secure Credentials can be loaded with different PACS data formatting, including those most commonly available on the market, 26, 35, or 37 bits.

ICPAM Secure Credentials are ideal for organizations seeking maximum security for physical access, including, but not limited to, employee ID badges, government to employee or government to citizen ID programs, and healthcare projects. Delivered in a standard card form factor, ICPAM Secure Credentials enable commercial entities or governments to issue credentials that follow the U.S. government's FIPS-201 secure credential data model.

(PID) PART NUMBER	IDENTIV SKU	PRODUCT	DESCRIPTION
<b>Low-Frequency Proximity Credentials</b>			
ICPAM-PROX-CRD	4010	125 KHz Proximity ISO Card (PVC)	125 KHz Proximity ISO Card (PVC); Legacy low-security credential for physical access only
ICPAM-PROX-CRD-COMP	4020	125 KHz Proximity ISO Card (Composite)	125 kHz Proximity ISO Card (Composite)
ICPAM-PROX-KEY	4082	125 KHz Proximity Key Fob	125 KHz Proximity Key Fob; Legacy low-security credential for physical access only
ICPAM-PROX-STK	4090	125 KHz Proximity Sticker	125 KHz Proximity Round Sticker; Legacy low-security credential for physical access only.
ICPAM-PROX-WRST	4096	125 kHz Proximity Wristband (White)	125 kHz Proximity Wristband (White)
<b>High-Frequency TS Credentials</b>			
ICPAM-TSCRED-STD	5020-SDSRM-001	13.56 MHz TS Standard 256B ISO Card (Composite)	13.56 MHz TS Standard Card 256B (Composite) - MIFARE DESFire EV1 256B card
ICPAM-TSCRED-MIG	5020-MDSRM-001	13.56 MHz TS Migration 256B + Prox ISO Card (Composite)	13.56 MHz TS Migration Card 256B + Prox (Composite) - MIFARE DESFire EV1 256B card including HID-compatible proximity card technology; Sequential numbering inkjet marking
<b>Dual-Interface Secure Credentials</b>			
ICPAM-1CRED-K9	02-004C	ICPAM Secure Credential Card Form Factor	High-assurance smart cards, Public Key Infrastructure (PKI)-ready, 8-pin contact and contactless (high-frequency and low-frequency proximity) interfaces

**Notes:** Proximity programming facility code is 1, card number starts at last number managed by Identiv, and format is 26 bit. For TS Standard and Migration Cards, part numbers refer to cards programmed with 37 bits and without a facility code. Compatible with TS Readers and HID Prox readers 35 bit with facility code format. All major formats.

ORDERING INFORMATION — SPECIFICATIONS								
<b>Credential Form Factor</b>	125 KHz Proximity ISO Card PVC)	125 kHz Proximity ISO Card (Composite)	125 KHz Proximity Key Fob	125 KHz Proximity Sticker	125 kHz Proximity Wristband (White)	13.56 MHz TS Standard 256B ISO Card (Composite)	13.56 MHz TS Migration 256B + Prox ISO Card (Composite)	ICPAM Secure Credential Card Form Factor
<b>Dimensions</b>	3.37 x 2.125 x 0.033 in (85.6 x 54 x 0.84 mm)		2.18 x 1.23 x 0.32 in (55.4 x 31.2 x 8.13 mm)	Diam: 1.278 in (32.5 mm)	Semi circle top head: 25mm (0.98 in)/50mm long (1.97 in)	3.37 x 2.125 x 0.033 in (85.6 x 54 x 0.84 mm)		
<b>Weight</b>	0.212 oz (6 g)		0.15 oz (4.3 g)	0.045 oz (1.28 g)	0.388 oz (11 g)	0.212 oz (6 g)		
<b>Read Range**</b>	Up to 5 in (127 mm)		Up to 2.5 in (63.5 mm)	Up to 2 in (50.8 mm)	Up to 2.4 in (61 mm)	Up to 1.5 in (38 mm) using the HF interface	Up to 2.5 in (63.5 mm) using the LF interface	Up to 1.5 in (38 mm) using the HF interface
<b>Slot Punch</b>	Horizontal or Vertical		Key Hole Ring	None		Vertical or horizontal slot punch marks (punching of the cards can be done by Identiv at extra charge)		
<b>Operating Temperature</b>	-49° to 158°F (-45° to 70° C)				-22° to 428° F (-30° to 220° C)		-49° to 158° F (-45° to 70° C)	
<b>Material</b>	PVC or Composite		ABS Plastic	PVC/Adhesive backing	Silicone	Durable using composite with a mix of PVC (60%) and PET (40%)		
<b>Identiv Part Numbers</b>	4010	4020	4082	4090	4096	5020-SDSRM-001	5020-MDSRM-001	02-004C
<b>Product</b>								



Identiv, Inc. (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 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 the Internet of Everything.

Identiv has offices worldwide. Addresses and phone numbers are listed at [identiv.com/contact](http://identiv.com/contact). For more information, visit [identiv.com](http://identiv.com) or email [sales@identiv.com](mailto:sales@identiv.com).

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