



# Hirsch TS ScramblePad SC

## FICAM-Capable TS ScramblePad with Contact Smart Card Reader

- **HIGH SECURITY AND FLEXIBILITY**  
 Extends the ScramblePad family with a contact smart card reader for FICAM 2-factor authentication for high-security zones
- **ONE READER, ALL MAJOR CREDENTIALS**  
 Supports PIV, PIV-I, CIV, CAC, PLAID, legacy credentials (DESFire, MIFARE, UID), and proximity, reading both contactless and contact interfaces
- **FICAM MIGRATION**  
 Versatile platform that transitions seamlessly and simultaneously for certified validation systems
- **COMPATIBLE WITH ALL SYSTEMS**  
 Wiegand, RS-485/OSDP, Ethernet (PoE)
- **DOWNLOADABLE UPGRADES**  
 Download firmware and feature updates and changes over RS-485/OSDP link

### Trusted, Versatile, Secure

Identiv's Hirsch TS ScramblePad SC keypad reader is a high-security access control product that provides high-security keypad functionality, contactless, and a contact reader for two-factor authentication. The ScramblePad design is specified in many of the world's most secure locations due to its high-security scramble feature that randomly orders the digits each time the "START" button is pressed or a card requiring a PIN is presented. The random scrambling prevents the acquisition of a user code via pattern recognition and also prevents keypad wear that leaves a tell-tale impression of the numbers used in a valid PIN. This feature is further enhanced by the use of viewing restrictors that narrow the field of vision; only the person directly facing the ScramblePad can see the presented digits.

The TS ScramblePad SC includes a uTrust TS Reader contactless module, creating a versatile platform that is interoperable with the full range of the uTrust TS Reader family, reading the most popular card technologies, and migrating users into next-generation requirements. It also includes a contact smart card reader using the respected Identiv-specific SmartOSTM also found in Identiv's industry-leading line of smart card readers for desktop and mobile devices. The addition of the contact smart card reader enables 2-factor authentication using the PIV Authentication Key (PAK) and the card PIN.

TS ScramblePad readers are approved by GSA for use in FIPS201/FICAM environments, and are a direct replacement for legacy ScramblePads, in many cases using the same ScramblePad Mounting boxes and wiring to controllers.

### Features

- Industry's most flexible and highly secure intelligent door reader endpoint
- Enables agencies to migrate to U.S. government FICAM card authentication (CAK & PAK with pin) validation at a fraction of the cost
- Offers a choice of RS-485/OSDP, with legacy Wiegand
- RS-485/OSDP versions support a full set of unique bi-directional ScramblePad features
- Configuration and firmware updates supported over RS-485 or Ethernet

MODEL	FEATURES
TS ScramblePad SC Wiegand	<ul style="list-style-type: none"> <li>• Scrambling Keypad with viewing restriction</li> <li>• Support for the broadest range of popular card credentials</li> <li>• Works with legacy Wiegand systems; Not FICAM Compatible</li> </ul>
TS ScramblePad SC RS-485/OSDP	<ul style="list-style-type: none"> <li>• Scrambling Keypad with viewing restriction</li> <li>• Support for the broadest range of popular card credentials</li> <li>• Full ScramblePad feature set</li> <li>• RS-485/OSDP</li> </ul>
TS ScramblePad SC FICAM	<ul style="list-style-type: none"> <li>• FICAM CAK and PAK+PIN authentication</li> <li>• Full support for legacy credentials</li> <li>• Full ScramblePad feature set</li> <li>• RS-485/OSDP</li> </ul>
TS ScramblePad SC FICAM-Strict	<ul style="list-style-type: none"> <li>• FICAM CAK and PAK+PIN authentication</li> <li>• Only Accepts FICAM Credentials</li> <li>• Full ScramblePad feature set</li> <li>• RS-485/OSDP</li> </ul>

## Specifications

	TS ScramblePad SC Wiegand	TS ScramblePad SC RS-485/OSDP	TS ScramblePad SC FICAM	ScramblePad SC FICAM-Strict
Order Number	8336ABT0000	8336ABTR000	8336ABTF000	8336ABTFF00
Description	ScramblePad with TS Reader (Commercial & Government Wiegand Systems)	ScramblePad with TS Reader (Commercial & Government FICAM-Ready Systems)	ScramblePad with TS Reader (FICAM Systems with Legacy Credential Support)	ScramblePad with TS Reader (FICAM Systems - Strict Credential Compliance)
Carrier Frequencies	125 kHz/13.56 MHz			13.56 MHz
Reader Output	Wiegand	RS-485 (2 wire)		
Current Consumption	12 VDC 270 mA typical 300 mA Peak PoE @48V 68 mA typical 82 mA Peak			
Power Supply	12 VDC or PoE (802.3af)			
Product Weight	445 g (15.69 oz)			
Dimensions	Face: 5.75 (H) x 4.37 (W) in (14.6 x 11.1 cm) Body: 5.0 (H) x 3.5 (W) x 2.75 (D) in (12.7 cm x 8.89 cm x 7.0 cm)			
Color	Black			
Operating Temperature	0° to 49° C (32° to 120 F)			
Storage Temperature	-35 to 85°C (-31 to 185°F)			
High Frequency Compatibility	PIV, PIV-I, CAC, MIFARE, DESFire, PLAID, ISO15693, ISO14443A			PIV, PIV-1, CAC, CAK & PAK
Low Frequency Compatibility	HID Prox, Indala, Casi Rusco, AWID, Farpointe, and others			None
Operating Humidity	5% to 95% relative humidity (non-condensing)			
Connection	Structure Cabling (RJ45) for Ethernet and Terminal Strip for Wiegand and RS485 RGB LED, Ethernet link activity LED, Buzzer			
Certifications	FCC, UL, CE, IC, RCM, RoHS2, REACH			
FICAM Certifications	No	Upgradable	Yes	
Warranty	Two Years			
Mounting Boxes	Dimensions and mounting points are identical to other ScramblePads, enabling compatibility with a range of mounting boxes. The contact smart card reader occupies the volume below the reader. It fits in a standard MB2 or MB2/UMK as long as that volume is not obstructed. Other boxes may require an extender or an alternate faceplate			

Identiv, Inc. 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. Customers in the government, enterprise, consumer, education, healthcare, banking, retail, 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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