

iAuthenticate™ 2.0

iOS Smart Card Reader for Apple® iPhone® and iPad®



- **VERSATILE**
Designed for iPhone, iPhone Plus, iPad Air, and iPad Pro (with Lightning connectors)
- **INTEROPERABLE**
Supports most popular ISO 7816 smart cards including CAC, PIV, PIV-I and CIV
- **EFFICIENT**
Fast, secure communication via 8-pin Lightning connector, eliminating security risks and reduced speeds associated with wireless connections
- **MOBILE APP COMPATIBLE**
Compatible with popular middleware (not included)
- **CONVENIENT**
Ruggedized, portable, compact ergonomic design with activity LED

Identiv's iAuthenticate™ 2.0 smart card reader provides an extra layer of security in a world increasingly more reliant on accessing corporate resources through mobile devices. The reader supports standard ISO 7816 smart cards issued by the U.S. government, including PIV and CAC. iAuthenticate 2.0 is compatible with middleware applications (not included) for secure access to web-based email, portals, and collaboration sites authenticated to CAC, PIV, or other approved smart cards.

Features and Benefits

- Ruggedized, physical protection for devices meets strong authentication and security for data
- Enables the use of smart cards to eliminate complex passwords and password management
- Opens the mobile application market to develop apps supporting smart cards
- Includes the added security of two-factor authentication — something the user knows (PIN) and something the user has (smart card)
- Doubles as a desktop CCID smart card reader and can be used with Windows, macOS and Linux machines via the micro USB port (cable not included)
- Reader and card sit behind the iPhone, offering maximum operational convenience to the user, unlike cumbersome competitor products in which the reader is plugged into the phone and extends downward

Use Cases

- BYOD (bring your own device)
- Securely accessing corporate resources, including email, files, and data
- Protecting government agencies, featuring support for CAC and PIV credentials on mobile devices
- Supporting existing PKI for authentication, encryption and decryption, and digital signature with associated applications

PARAMETER		IAUTHENTICATE 2.0 OTTERBOX	
HOST INTERFACES			
PRIMARY INTERFACE	Apple MFi Lightning Connector		
ALTERNATE INTERFACE	USB 2.0 Full Speed (12 Mbps) through micro USB socket		
SMART CARD INTERFACE			
SUPPORTED STANDARDS	ISO/IEC 7816 Part 1 to 4		
SUPPORTED ICS	All major ISO/IEC 7816 compliant smart card ICs		
SMART CARD PROTOCOLS	T=0, T=1		
SMART CARD INTERFACE SPEED	Communication speed up to 600 kbps; TA1=97 support		
SMART CARD CLOCK FREQUENCY	ISO/IEC 7816 compliant; Operates up to 12 MHz		
SUPPORT SMART CARD TYPES	5V, 3V, and 1.8V; ISO 7816 smart card Class A, B, and C		
POWER TO SMART CARD	60mA in Class A, 55mA in Class B, 35mA in Class C		
SMART CARD DETECTION	Card present switch; Automatic power on/off; Short circuit protection		
CONTACT TYPE	Eight contacts — ISO 7816 location; Friction contact rated at 100,000 insertions; ID-1 card size		
SOFTWARE AND SUPPORTED DEVICES — LIGHTNING INTERFACE			
OPERATING SYSTEM	iOS 8.4 or higher		
APPLICATION	Thursby Sub Rosa App (not included)		
SUPPORTED DEVICES	iPhone 5, 5C, 5S, 6/6 Plus, 6S/6S Plus, SE, 7/7 Plus, 8/8 Plus, X; iPad (4th generation), iPad Air, iPad Air 2, iPad (2017), iPad Mini /2/3/4, iPad Pro		
DRIVER AND SOFTWARE — USB INTERFACE			
PC/SC DRIVER	Windows 7, 8, 10 (32 and 64 bit), Windows Server 2012, 2016; macOS 10.12; Linux 2.6.x, 3.x (32 and 64 bit)		
SOFTWARE	PC/SC API; CT-API through wrapper on top of PC/SC; M-Card API (through wrapper on top of PC/SC)		
CREDENTIALS SUPPORTED	CAC, PIV, PIV-I, AND CIV		
OPERATING CONDITIONS AND SPECIFICATIONS			
DIMENSIONS	2.32 x 1.75 x 0.38 in (subject to change)		
WEIGHT	2.96 oz (subject to change)		
STATUS INDICATOR	LED provides visual indication at the time of connection and card access		
FIRMWARE	SmartOST™		
FIRMWARE IN-FIELD UPGRADABILITY	Yes, over USB interface		
POWER SUPPLY	Lightning powered; Bus powered USB (for CCID)		
POWER CONSUMPTION	<25mA, excluding smart card; <500µA in Standby Mode		
OPERATING TEMPERATURE RANGE	0° to 50 °C		
OPERATING HUMIDITY RANGE	Up to 90% RH non-condensing		
CERTIFICATION AND COMPLIANCES			
FUNCTIONAL APPROVALS AND DIRECTIVES	FCC Class B, ICES-003, CE, C-UL-US listed, FIPS 201*, NIST IR 6887, HSPD-12, OMB-11-11, Apple MFi, USB-IF, EMV-ready		
ENVIRONMENTAL APPROVALS	RoHS2, REACH, WEEE		

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. For more information, visit identiv.com or email sales@identiv.com.

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