IDENTIV

iAuthenticate™ 2.0

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

Identiv's iAuthenticate 2.0 smart card reader provides an extra layer of security in a world more reliant on accessing corporate resources through mobile devices.

Our world is increasingly more reliant on mobile devices. Identiv's iAuthenticate 2.0 smart card reader provides an extra layer of security where we need it the most. The reader and card sit behind the mobile device, offering maximum operational convenience.

With iAuthenticate 2.0, ruggedized, physical protection for devices meets strong authentication and security for data. The reader enables the use of smart cards to eliminate complex passwords and password management while opening the mobile application market to develop apps supporting smart cards. iAuthenticate 2.0 includes the added

security of two-factor authentication — something the user knows (PIN) and something the user has (smart card). It also doubles up as a desktop CCID smart card reader and can be used with Windows, macOS, and Linux machines via the microUSB port (cable not included).

iAuthenticate 2.0 supports BYOD (bring your own device) and the secure access of corporate resources, including email, files, and data. It provides extra protection for government agencies and supports existing PKI for authentication, encryption, and decryption, and digital signatures with associated applications.

Versatile

- Designed to work with Apple® iPhone®, iPhone Plus®, iPad Air®, and iPad Pro®
- Works via Lightning connectors

Interoperable

- Supports most popular ISO 7816 smart cards
- CAC, PIV, PIV-I, and CIV

Efficient

- Fast, secure communication via 8-pin Lightning connector
- Eliminates security risks and reduced speeds associated with wireless connections

Mobile App Compatible

- Compatible with popular middleware (not included)

Convenient

- Ruggedized, portable, compact ergonomic design
- Features activity LED

iAuthenticate 2.0 Specifications

Host Interfaces	
Primary Interface	Apple MFi Lightning Connector
Alternate Interface	USB 2.0 Full Speed (12 Mbps) through micro USB socket
Thickness	~150 µm

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	• 8 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, XS, XS Max, XR , 11, 11 Pro, 11 Pro Max; iPad (4th-7th generation), iPad Air, iPad Air 2, iPad (2017), iPad Mini /2/3/4/5, 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 64bit)
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
Approvals and Directives	FIPS 140-2, NIST IR 6887, HSPD-12, OMB-11-11, Apple MFi

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 time of connection and card access
Firmware	SmartOS™
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 140-2, NIST IR 6887, HSPD-12, OMB-11-11, Apple MFi, USB-IF, EMV-ready
Environmental Approvals	RoHS2, REACH, WEEE