Specification Guide

Software Version 8.4

Notice

Revision List

Revision	Version	Date	Description of Changes
A	8.2	April 2021	Updated specifications and capture device list.
B	8.3	September 2021	Updated version-support information for Oracle, Windows, and Internet Explorer; updated smart-card support information. Rebranding completed.
C	8.4	February 2022	Added information on SAML 2.0 Single Sign-On support.

Instant ID Software Features

Express Edition

Take your first step into the world of ID card designing and printing with the entry-level Instant ID Express software. It provides basic photo capture and data import, credential designer, and drag-and-drop workflows software functionalities for a single-user environment. It provides the core set of tools that you require to design cards and data capture forms, enter and retrieve data, capture images, produce cards and it integrates with Microsoft Excel. The Express edition is valid for 30 days after installation.

Plus Edition

This software builds on the functionality of Instant ID Express software to provide the fundamental tools for essential ID card and credential designing and printing. This edition provides batch printing, signature capture, DSLR camera support, report capabilities, composite field support, Microsoft Access and Microsoft SQL Server database support functionalities for a single-user environment.

Professional Edition

Get even more capabilities with this highly scalable edition that builds on the functionality of Instant ID Plus software to meet most needs. This edition provides the ability to have multiple users, smart card support, decentralized data capture support, centralized data management, Microsoft Active Directory integration, DB2 and Oracle database support and document scan capture support. This edition also provides a tool for interacting with REST and SOAP-based web services.

Enterprise Edition

The most advanced, scalable, enterprise-wide credentialing software in the suite, this edition includes all previous edition features plus advanced capabilities for more flexibility. This edition provides a tool for interacting with REST and SOAP-based web services. Also included is access to the Customization Toolkit for implementing custom JavaScript development projects.

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Credential Design Features

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Number of credential designs	up to 10	up to 15	up to 25	up to 999
Variable and static text field	✓	✓	✓	✓
Variable and static graphic field	✓	✓	✓	✓
Photograph field	✓	✓	✓	✓
Magnetic stripe field	✓	✓	✓	✓
Date field	✓	✓	✓	✓
QR code	✓	✓	✓	✓
Bar codes [Codabar, Code 39, Code 39 Extended, Code 93, Code 93 Extended, Code 128 – Auto, Data Matrix (2D), EAN (JAN-13), EAN (JAN-8), PDF417, PDF417 (Binary), UPCA, UPCE, Interleaved 2 of 5, Postnet]	✓	✓	✓	✓
NTT/JIS magnetic stripe encoding	✓	✓	✓	✓
Custom card size specification	✓	✓	✓	✓
Background, color (YMC), black (K), Topcoat, UV, non-printable area, lamination, emboss/indent	✓	✓	✓	✓

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Alignment and formatting tools	✓	✓	✓	✓
Signature field	✗	✓	✓	✓

Capture and Enrollment Workflow Features

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Optical character recognition (OCR) enabled data capture (national IDs, DLs using Entrust-supplied scanners)	✖	✖	✓	✓
External database read/write operation	✖	✖	✓	✓

Personalize and Printing Features

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Entrust printer support	SD160, SD260, SD260 L, SD360, SD460		
	CD800, CD800 CLM	SD160, SD260, SD260L, SD360, SD460	
	CE840, CR803, CR805	CD800, CD800 CLM	
	SP25+ (Mag only), SP35+, SP55+, SP75+, CP80+	CE840,CR8 03, CR805	
		SP25+ (Mag only), SP35+, SP55+ + +Mag M	
	Sigma DS1, DS2, DS3 EM1, EM2	DS2 6 E46 SS8P 0,X SS8P 0	EM1, EM2 S8P ,
		CW800, D81 3SP (Mag onfy , SP 6+, CP, CP +,	
		SD260, SD260L, SD360, SD460	
		CW800, SD800	
		D81 SD25+ (Mag only),	
		M DS2 6 E1 2	EM1, EM2(P P (P 1 P (P

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Card in flight [Multiple cards in printer, available in compatible printers]	✗	✓	✓	✓
Print multiple copies of same card	✗	✓	✓	✓
Batch printing	✗	✓	✓	✓
Smart card encoding	✗	✗	✓	✓
MX batch file	✗	✗	✗	✓

Capture Device Support

For a full list of supported capture devices, refer to "Note that other chip types and profiles may be supported using the Instant ID custom smart card plug-in (third-party .DLL), but an Entrust-provided reader must be used." on page 19.

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Camera support	• Web cameras • Mobile Support: ios, Android, Microsoft Surface	• Web cameras • Mobile Support: ios, Android, Microsoft Surface	• Canon DSLR • Web cameras • Mobile Support: ios, Android, Microsoft Surface	• Canon DSLR • Web cameras • Mobile Support: ios, Android, Microsoft Surface
Photo capture (File Input, Capture)	✓	✓	✓	✓
Signature pad	✗	✗	• Topaz T-LBK462-HSB-R	• Topaz T-LBK462-HSB-R
Document scanner	✗	✗	• Entrust Snapshell R3 • Epson V370	• Entrust Snapshell R3 • Epson V370

Platform Features

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Number of concurrent users	1	1	1 to 20	1 to 100
Languages	English, Japanese, Portuguese, German, French, Spanish, Simplified Chinese	English, Japanese, Portuguese, German, French, Spanish, Simplified Chinese	English, Japanese, Portuguese, German, French, Spanish, Simplified Chinese	English, Japanese, Portuguese, German, French, Spanish, Simplified Chinese
Embedded database records limit	up to 10,000	up to 50,000	up to 500,000	up to 1,000,000
Embedded database (H2)	✓	✓	✓	✓
Import data from CSV and ASCII file	✓	✓	✓	✓
SAML 2.0 Single Sign-On (SSO)	✗	✗	✓	✓
User auto sign-off after inactive period	✓	✓	✓	✓
Localization utility	✓	✓	✓	✓
Stock reports	✗	✓	✓	✓
Report designer	✗	✓	✓	✓
Microsoft SQL Server database	✗	✓	✓	✓
MySQL database	✗	✓	✓	✓
Microsoft Access database	✗	✓	✓	✓
Advanced search	✗	✓	✓	✓
User management	✗	✗	✓	✓

Active Directory integration support	✘	✘	✓	✓
Oracle database	✘	✘	✓	✓
IBM DB2 support	✘	✘	✓	✓
Customization toolkit	✘	✘	✘	✓
Web service integration tool (connect to third-party REST or SOAP APIs)	✘	✘	✓	✓

Instant ID Software SDK (provides access to u   eo n

- Memory (RAM):

Single-Computer Environment	Multiple-Computer Environment
4 GB RAM minimum, 8 GB RAM recommended	For the server computer: 8 GB RAM minimum, 16 GB RAM recommended For each client computer: 4 GB RAM minimum, 8 GB RAM recommended

- 1 GB of available computer hard drive space

- An available software port (9800 is the default)

    Make a note of this port number. It is required to install the software or connect to the client from a browser.

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Printers Supported

- Sigma DS1, DS2, and DS3
- EM1 and EM2
- SP25+ (Mag Only)
- SP35+, SP55+, SP75+, CP80+
- SD160, SD260, SD260L, SD360, SD460
- CD800, CD800 CLM, CE840
- CR803, CR805
- Generic Printers

Card Stock Size Supported

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Instant ID Software also supports other chip types when using the Instant ID Software Smart Card Plug- In. Refer to the *Instant ID Software Developer's Guide* for more information.

SE/SEOS Support

Instant ID now supports reading PACS data such as Facility Code (FAC) and Card Number (UID) from HID iClass SE and SEOS cards using a printer with an OmniKey coupler (for example, the Sigma DS1/2/3 printers).

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- Only 26 and 37 bit sizes have been tested with Instant ID version 8.3, although other bit sizes may also be supported with the appropriate configuration.

- Different types of SE/SEOS cards (along with previously described bit sizes) mentioned above have been tested with Instant ID 8.3, although other bit sizes may also be supported with the appropriate configuration.

- HID iClass smartcard data is read backwards (right to left) by Instant ID, so the Chip Profile configurations should be created accordingly with appropriate Bit Offset and Bit Length to read the Facility Code (FAC) and Card Number (UID) correctly.

Please contact your Instant ID customer representative for additional assistance.

Smart Card Support

The table below shows the smart card chip types and readers that Instant ID Software supports and the capabilities with Instant ID Software.

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					%6ϗ4ϑ2)62 / &D<)62 Ł<<@2ϑ4 ˙<B=921
HID iClass	HID iClass	Facility Code (FAC) Card Number (CN) Card Serial Number (CSN)	Default and Custom Fields supported for 26 bits	Not supported	HID OMNIKEY / HID OMNIKEY PC PROX PC PROX PLUS Note: Please refer to the online Help: Administrator -> Manage Settings -> Manage Chip Profiles -> Configure RFIDEAS/PC PROX /PC PROX PLUS for PACS or CSN for additional information.
HID iClass SE	HID iClass	Facility Code (FAC) Card Number (CN) CSN	Default and Custom Fields supported for 26 bits, 35 bits, 37 bits	Not supported	HID OMNIKEY / HID OMNIKEY PC PROX PC PROX PLUS
HID iClass SEOS	HID iClass	Facility Code (FAC) Card Number (CN) CSN	Default and Custom Fields supported for 26 bits, 35 bits, 37 bits	Not supported	HID OMNIKEY / HID OMNIKEY PC PROX PC PROX PLUS
HID iClass SEOS + iClass	HID iClass	Facility Code (FAC) Card Number (CN) CSN	Default and Custom Fields supported for 26 bits and 37 bits	Not supported	HID OMNIKEY / HID OMNIKEY PC PROX PC PROX PLUS

Card Type	Card/Reader Protocols	Card Fields Mapped to Config Fields	Default Card Fields	User Card Fields	Card Encoder Config Fields; Supported Readers	
					Mobile Reader	Enroll Reader / Access Control Reader
iClass SEOS + iClass + Prox	HID iClass	Facility Code (FAC) Card Number (CN) CSN	Default and Custom Fields supported for 26 bits and 48 bits	Not supported	HID OMNIKEY	HID OMNIKEY PC PROX PC PROX PLUS
HID Prox	HID Prox	Facility Code (FAC) Card Number (CN)	Default and Custom Fields	Not supported	HID OMNIKEY	HID OMNIKEY PC PROX PC PROX PLUS
MiFare	MiFare Classic - 1K and 4K sizes available	Chip_UID	Custom Fields	Custom Fields	DUALI	IDENTIVE SCM CLOUD
MiFare	MiFare DESFire EV1	Chip_UID	Default and Custom Fields	Custom Fields	DUALI	IDENTIVE SCM CLOUD
MiFare	MiFare DESFire EV2	Chip_UID	Default and Custom Fields	Custom Fields	DUALI	IDENTIVE SCM CLOUD
MiFare	MiFare DESFire EV1, EV2 for key type AES	Chip_UID	Default and Custom Fields	Custom Fields	DUALI	
FeliCa	FeliCa		Custom Fields	Custom Fields	DUALI	
FeliCa	FeliCa FCF Service A	IDm, User Division, ID#, Name, Affiliation, Card Expiration Date, For Card Issuer	Default and Custom Fields	Custom Fields	DUALI	

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Cameras

Instant ID Software supports the cameras listed in this section.

DSLR Entry-Level Cameras

- Canon EOS 5D Mark III
- Canon EOS 5D Mark IV
- Canon EOS 5Ds
- Canon EOS 5Ds R
- Canon EOS 6D
- Canon EOS 7D
- Canon EOS 7D Mark II
- Canon EOS 40D
- Canon EOS 50D
- Canon EOS 60D
- Canon EOS 70D
- Canon EOS 77D
- Canon EOS 80D

DSLR Professional Cameras

The following cameras are supported only on Professional and Enterprise Instant ID Software editions.

- Canon EOS-1D Mark III
- Canon EOS-1Ds Mark III
- Canon EOS-1D Mark IV
- Canon EOS 1D X
- Canon EOS-1D C
- Canon EOS-1D X Mark II

Mirrorless Cameras

The following cameras are supported only on Professional and Enterprise Instant ID Software editions.

- Canon EOS M
- Canon EOS M2
- Canon EOS M3
- Canon EOS M10

- Canon EOS M50
- Canon EOS R

- Scalable vector graphic (SVG)