Expand your opportunities with a universal interface

To gain a competitive advantage, card issuers often rely on operational and marketing strategies that require a specialized approach. Datacard® Syntera® Customization Suite software makes it faster and easier to bring these innovative ideas to life by integrating unique software applications with the functionality of Datacard® card and passport issuance platforms.

• **Universal interface.** This universal interface allows you to create a variety of customized applications for Datacard hardware while also taking advantage of Datacard turnkey controller software. This seamless integration of custom and turnkey capabilities reduces time and cost of developing custom applications, as well as future maintenance.

• **Expansive capabilities.** Syntera Customization Suite software creates exciting new opportunities for adapting the hardware to perform tasks that fall outside its conventional feature set. A comprehensive suite of modular interfaces is optimized for specific operational functions, depending on your needs.

• **Strong technology investment protection.** Allows customers to migrate to new technology and systems without changing existing processes. Custom applications developed with Syntera Customization Suite software are much more robust than conventional custom applications, so customers can create an application once and use it often.

• **More security options.** Create custom applications that encrypt or decrypt sensitive data during the production run.
**Datacard® Syntera® Customization Suite** software is a vital tool for integrating custom applications with Datacard® systems to bring new capabilities and innovative strategies to life. Individual modular interfaces provide a rich collection of APIs for various use cases.

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**JOB ENABLE MODULAR INTERFACE**

**Overview**
Provides interfaces to automate daily tasks. Production managers can reduce operator intervention by automatically loading/removing production jobs, starting jobs, monitoring system and job status and can retrieve production statistics in real time. Allows users to develop applications using standard Microsoft® Windows® development tools and use applications across many Datacard systems.

**Licensing**
System-based licensing, which is compliant with the Datacard® Software License Server. One license is required for each issuance system.

**Applications supported**
Any application developed using Syntera Customization Suite Job Enable SDK

**Use case**
- Integration with a centralized production management system
- Increase security in issuance production by removing job start at the operator level
- Dashboard
**HOSTED SMART CARD MODULAR INTERFACE**

**Overview**
Provides a platform for administering and executing smart card personalization applications. Allows users to develop applications using standard Microsoft® Windows® development tools and use applications across many Datacard systems. Provides complete management of the coupler.

**System configuration**
Datacard firmware runs in the coupler and operates like Datacard® Affina® Personalization Manager software. The system controller manages the smart card module. Supports Datacard and Smartware UltraSmart™ Couplers.

**Licensing**
Station-based, compliant with the Datacard® License Server.

**Applications supported**
Any application developed using the Syntera Customization Suite Hosted Smart Card SDK.

**Use case**
- Personalize smart chips in cards, passports, FOBs or other devices
- Read smart chip data for read lookup operation

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**DATA ACCESS MODULAR INTERFACE**

**Overview**
Provides a platform for user to execute applications that access and act on the production data of an issuance system, and/or provide audit processing. Data supported includes magnetic stripe, smart card, bar code, optical or other personalized data, thus providing the developer with a vast array of useful options.

**Licensing**
System-based licensing, which is compliant with the Datacard® Software License Server. One license is required for each issuance system.

**Applications supported**
Any applications developed using Syntera Customization Suite Data Access SDK.

**Use case**
- On-demand data decryption at time of production
- On-demand data fetching to achieve centralized data management
- On-demand data generation for image composition or form data generation
- On-demand data processing for inline quality check
- Custom audit data handling
## SOFTWARE COMPATIBILITY WITH DATACARD SYSTEMS

<table>
<thead>
<tr>
<th>Datacard Systems</th>
<th>Controller Software Required</th>
<th>Hosted Smart Card Syntera CS v5.1 or above</th>
<th>Job Enable Syntera CS v5.1 or above</th>
<th>Data Access Syntera CS v5.2 or above</th>
</tr>
</thead>
<tbody>
<tr>
<td>Datacard® Maxsys™ card issuance system</td>
<td>Controller Software 5.3 or above, except for Data Access, which requires Controller Software 5.5 and above</td>
<td>√</td>
<td>√ (see note 1)</td>
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<tr>
<td>Datacard® MX8100™ card issuance system</td>
<td></td>
<td>√</td>
<td>√ (see note 1)</td>
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<tr>
<td>Datacard® MX6100™ card issuance system</td>
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<tr>
<td>Datacard® MX2100™ card issuance system</td>
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<td>√</td>
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<tr>
<td>Datacard® MX1100™ card issuance system</td>
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<td>√</td>
<td>√ (see note 1)</td>
<td>√</td>
</tr>
<tr>
<td>Datacard® PB6500™ passport issuance system</td>
<td>Controller Software 5.3</td>
<td>√</td>
<td>√ (see note 1)</td>
<td>√</td>
</tr>
<tr>
<td>Datacard® MPR3800™/5800™ card personalization systems</td>
<td>MCS 3.11 or above, except for Data Access, which requires MCS 3.15 or above (available Nov. 2010)</td>
<td>√</td>
<td>√ (see note 2)</td>
<td>√</td>
</tr>
<tr>
<td>Desktop card printers and desktop card personalization printers</td>
<td>Desktop printer support requires Datacard® Affina® Desktop Utility and Datacard® Affina® Desktop Utility Hotfix C</td>
<td>√</td>
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</tbody>
</table>

1. Job Enable Job Start feature requires Syntera CS Job Enable v5.2 and above, and Controller Software 5.5 or above.
2. Job Enable Job Start feature requires Syntera CS Job Enable v5.2 and above, and MCS 3.15 or above.

### System Requirements

**Minimum system requirements**

- 2.0 GHz Intel® Pentium® 4 processor and 1 GB RAM
- Minimum screen resolution of 1024 x 768
- Minimum of 20 GB free hard drive space (required for the installation of the program and initial database files, and running the program; you must assess the need for any additional hard drive capacity requirements based on how you will use Syntera Customization Suite software)

**Note:** Actual system requirements depend on the nature of the applications being run, the number of smart card programming stations, and the number of personalization systems used.

**Operating system**

- Microsoft® Windows® XP Professional SP3, 32 bit
- Microsoft® Windows® Server 2003 SP2, 32 bit
- Microsoft® Windows® Server 2008 R2
- Microsoft® Windows® 7, 32 bit and 64 bit
- Microsoft® Windows® Server 2012 R2
- Microsoft® Windows® 8.1 32 bit and 64 bit

**Security**

- Standard Microsoft Windows domain security features

**Database management systems**

- SQL Server 2005, SP3 Workgroup, SQL Server 2008 R2 Workgroup, SQL Server 2008 R2 Express, SP3 Workgroup Express SP3 and DB2, SQL Server 2012 and SQL Server 2012 Express

**Controller software requirements**

- MX1100, MX2100, MX6100, MX8100, Maxsys, PB6500: Requires controller software versions 5.3 or above to use Hosted Smart Card or Job Enable (for all features except job start). Requires controller software version 5.5 and above to use Data Access or Job start feature in Job Enable.
- MPR3800/MPR5800: Requires MCS 3.11 or above for Hosted Smart Card and Job Enable (for all features except job start). Requires MCS 3.15 for Data Access or job start function in Job Enable.