FARGO®

Software Development Kit

HID

ACCESS productivity.

Add Fargo Card Printer/Encoder technology and management to your high-level applications.

Get direct access to the capabilities of Fargo Card Printer/Encoders and Systems.

The Fargo Software Development Kit (SDK) gives programmers control over nearly all of the features of Fargo printer/encoders — all from within your card technology applications. By using code from the Fargo SDK, you'll be able to read and write smart cards (contact and contactless), select a card hopper, password-protect printer/encoders, run diagnostics and more. Whether you're developing a stand-alone badging program, or an integrated security system, the Fargo SDK lets you tap into our industry-leading card issuance technologies.

Faster, easier development for more robust applications.

The Fargo SDK gives commercial and in-house software developers, and security system integrators, a logical model for accessing the functions of Fargo Card Identity Systems from high-level application software. The Fargo SDK offers you:

Ease of use. An easy-to-use, high-level API command set controls card printing and encoding, diagnostics, upgrades, audits and enables printer security.

Printer and encoder abstraction. You don't have to know the details of how a driver talks to a specific Fargo printer or smart card encoder module. The SDK's high-level interface abstracts devices so you can perform complex functions with a few lines of code instead of hundreds.

Positive command confirmation. The API returns a status indicating a properly executed command, a successfully completed operation, or the nature of an error.

Forward compatibility. Using the Fargo SDK helps ensure that your software applications will be compatible with future Fargo printer/encoders.

The Fargo SDK supports programming environments such as Visual Basic, Visual C++, Visual C#, .NET-based languages or any other language that supports COM-based objects.

Created by the engineers who know Fargo best. The Fargo SDK has been refined and proven by Fargo's own software engineering team. It's the same tool set used in-house by Fargo's Professional Services team, and included in Fargo software such as the Workbench™ printer utility. The Fargo SDK not only gives you time-saving API commands, it gives you expertise from the people who know the Fargo platform inside and out.

HID®

Cardworx
ID SOLUTIONS
design | software solutions | print
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Online help and expert support for a constantly changing environment.

As Fargo products grow more sophisticated, we're dedicated to keeping application development as easy as possible. The Fargo SDK includes an extensive online help library that details every class and method and provides helpful code snippets in Visual Basic and Visual C#. For additional resources, professional support packages are available at various levels and price ranges.

Get inside Fargo's most popular ID card printer/encoders. The Fargo SDK lets you control and monitor the operation of Fargo printer/encoders such as (from left) the DTC400e, DTC550, HDP5000 and the HDP600, including an optional encoding module.

What's Inside:

The Fargo SDK is a growing collection of software development tools — including code samples and online help — each targeted to meet the requirements of a specific application:

Technology Card Capabilities
Contains functions for:
• Proximity card readers
• Contact smart card encoders
• Contactless smart card encoders (HID® iCLASS®, MIFARE® and DESFire®)
• Magnetic stripe cards
• Printers using OMNIKEY® encoders need to use the OMNIKEY® PC/SC driver available at: hidglobal.com/omnikey.

Printer Capabilities
Contains general purpose functions for:
• Card movement
• Hopper selection
• Card count
• Station status
• LCD control panel

Security Capabilities
Contains security functions for:
• Printer password protection
• Enabling OEM security
• Configuring visual security images including fluorescing UV panels

PC - based software						
	Fargo and/or Integrator Application (Visual Basic 6, VB.NET, Visual C++, Visual C#, Delphi)					
	API Layer					
	Audit / Security Layer					
	General Purpose	Smart Card Encoding			Printing	
		Driver 1	Driver 2	Driver n	Driver 1	Driver 2	Driver n
	Language Monitor					
	Windows® Printer Driver					
	USB Transport Layer					

Printer	
	USB Services
	Printer Firmware

Easier development from the top down. The Fargo SDK provides high-level API services that abstract the details of performing lower-level tasks with printer and encoder drivers and communication interfaces. The SDK also includes an Audit/Security Layer that enables auditing functions (such as collecting and summarizing card processing information) as well as various security features such as password authentication.

Fargo SDK System Specifications	
Supported Fargo Card Printer/Encoders:	HDP600, HDP5000, HDPii, DTC550, DTC400e, C30e and M30e
Supported Languages:	• Visual Basic® 6 • Visual Basic®.NET • Delphi® • Visual C++® • Visual C#®
Operating System:	Microsoft® Windows® XP Professional or 2000 Professional Microsoft Windows Server 2003
System Requirements:	See your Fargo Printer/Encoder's User Guide for specific system requirements.

To learn more about the Fargo SDK, visit hidglobal.com/sdk.

ACCESS experience.

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