



## SOFTWARE DEVELOPMENT KIT

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 to develop Fargo Print Security applications such as Print Security Client™, Print Security Suite™ and Print Security Manager™. 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.

**FARGO®**

The World's Most Secure  
Card Identity Systems



## 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, check out the Developers area on the Fargo Web site. Professional support packages are also available at various levels and price ranges.



**How do you access a MIFARE encoder?**  
Online help gives you the details on all card encoder classes and methods.



## 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

### 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 print security settings
- Configuring visual security images including fluorescing UV panels

## Upcoming Capabilities:

### Network Management Capabilities

Provides API functionality for print server communication in Ethernet-equipped Fargo printer/encoders.

### Materials Management Capabilities

Provides API functionality for interfacing to the Fargo SecureVault™ platform.



**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 DTC400, DTC550 and the HDP600, including an optional encoding module.

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			Printer Info	Print Server Info	SecureVault Info			
		Driver 1	Driver 2	Driver n	Driver 1	Driver 2	Driver n	Telnet Wrapper		SecureVault Wrapper			
	Language Monitor						Telnet				SecureVault Wrapper		
	Windows Printer Driver										Driver 1	Driver 2	Driver n
	USB Transport Layer						Ethernet Transport Layer				Serial Port		
	USB Services						Ethernet				Serial Port		
							Print Server				Serial Port		
Printer Firmware										Vault Firmware			
PRINTER													

**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

<b>Supported Fargo Card Printer/Encoders:</b>	HDP600, DTC550, DTC400
<b>Supported Languages:</b>	<ul style="list-style-type: none"> <li>• Visual Basic® 6</li> <li>• Visual Basic®.NET</li> <li>• Delphi®</li> <li>• Visual C++®</li> <li>• Visual C#®</li> </ul>
<b>Operating System:</b>	Microsoft® Windows® XP Professional or 2000 Professional Microsoft Windows Server 2003
<b>System Requirements:</b>	See your Fargo Printer/Encoder's User Guide for specific system requirements.

To learn more about the Fargo SDK, visit [www.fargo.com/sdk](http://www.fargo.com/sdk). Contact us by e-mail at [sdk@fargo.com](mailto:sdk@fargo.com) or call 1-952-941-0050.