



EASILY DEVELOP SCANNER APPLICATIONS FOR WINDOWS OPERATING SYSTEMS

SCANNER SDK FOR WINDOWS

CREATE APPLICATIONS WITH ALL THE FEATURES YOUR BUSINESS DEMANDS

We understand today's scanner applications need to do more than just handle bar code data. With the Scanner SDK, you can easily create fully featured applications. In addition to capturing bar code data, the SDK enables you to capture images, easily set parameters, upgrade firmware and more. The SDK also supports multiple applications running on one PC talking to one or more scanners simultaneously.

CREATE ALL YOUR SCANNER APPLICATIONS WITH JUST ONE DEVELOPMENT TOOLKIT

Motorola's 'technology-agnostic' Scanner Software Development Kit (SDK) is compatible with multiple programming languages, multiple development environments and multiple communications protocols. So no matter what scanners you have today or what you may purchase tomorrow, you can develop just one application and deploy it faster and more cost-effectively than ever before — without the need for multiple SDKs.

CONTROL ALL ASPECTS OF ALL YOUR MOTOROLA SCANNERS

Quickly and easily harness the powerful capabilities in all of our scanners with the Scanner SDK for Windows. Control the data collection process, from bar code

output mode to the capture and transmission of images, signatures and video. Take complete control of scanner feedback options, such as the LED, beeper and aiming pattern. You can determine if and when LED lights are illuminated, which color and for how long, and if and when your scanner emits a beep. In addition, comprehensive management functionality allows you to take complete control of remote scanner management — you can load settings, upgrade firmware, create an audit log as well as access the scanner's asset tracking information. And even if multiple scanners are connected to the same application, you can still identify which scanner sent which data.

CUT DEVELOPMENT TIME AND COSTS

The Scanner SDK for Windows replaces four different development kits, previously required for different development environments and scanner communication protocols. Developers have less to learn. With the driver handling the communication details, one application can work with almost any Motorola scanner.

SIMULTANEOUSLY SUPPORT MULTIPLE SCANNERS AND APPLICATIONS

The Scanner SDK for Windows delivers unprecedented flexibility. Until today, all applications on a given PC were required to use the same communication protocol. But now, you can deploy a single driver to manage multiple scanners that utilize different communication protocols to talk to multiple applications.

To put the Windows SDK to work in your organization today,
visit www.motorolasolutions.com/windowssdk
or access our global contact directory at www.motorola.com/enterprisemobility/contactus

SPECIFICATION CHART

OPERATING SYSTEMS

Microsoft Windows XP SP3 (32 Bit)

Windows 7 SP1 (32 Bit)

SDK COMPONENTS

APIs: CoreScanner, OPOS, JPOS, scanner/driver WMI provider

Sample utilities including source code

User documentation

SAMPLE UTILITIES INCLUDING SOURCE CODE

Scanner sample application: C++ and C#

Scanner management via Microsoft's WMI: C#

OPOS: C++

JPOS: JAVA

USER DOCUMENTATION*

Scanner SDK Developer's Guide

Developer's Guide for Windows Management Instrumentation (WMI) Driver

OPOS Programmer's Guide

JPOS Programmer's Guide

Attribute data dictionary (Index of parameters)

* All documents listed in this section can be downloaded at www.motorolasolutions.com/windowssdk

PROGRAMMABLE SCANNER FUNCTIONALITY

Receive data from a scanner:

- Bar codes
- Images (photos)
- Video

Control user feedback experience:

- LED
- Beeper
- Aiming pattern

Perform Remote Scanner Management (RSM):

- Query asset tracking information
- Perform device configuration (get and set attributes)
- Perform a firmware upgrade
- Switch a scanner's communication protocol

SCANNER COMMUNICATION PROTOCOLS

USB HID (Human Interface Device)

USB OPOS

USB JPOS

USB SNAPi (Symbol Native API)

RS-232 Nixdorf Mode B

SCANNER COMMUNICATION MODES VS DEVICE CAPABILITIES

Capabilities	USB:SNAPI	USB: OPOS	USB: HID Keyboard	RS232:NixdorfB
Host Variant Switching	Supported	Supported	Supported	Not available
Simulated HID Keyboard	Supported	Supported	Not applicable	Not available
Management	Supported	Supported	Not available	Not available
Image and Video	Supported	Not available	Not available	Not available