

# **A Guide to Using the @pos.com Software Development Kit (SDK)**



Part No. PC17401  
Revision F

# **@pos.com Software Development Kit**

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## I. Purpose of this Document

This document presents a brief introduction to various @pos.com SDK components. The document explains the organization of these components in the SDK.

## II. @pos.com Products

@pos.com products provide a complete solution to electronically capture signature and perform other Point Of Sale (POS) operations. The @pos.com product series consist of **PenWare100**, **PenWare2000**<sup>1</sup>, **PenWare1100**, **PenWare1500**, **PenWare3000**, **PenWare3100** and the **iPOS TC** running **posClassic** mode. The @pos.com SDK provides various components that can be used to acquire and process data collected from all of these devices.

## III. Target Operating Systems for the SDK

The SDK is targeted towards the following Operating Systems:

- DOS Version 3.3 or higher
- Microsoft Windows 3.1 and 3.11
- Microsoft Windows 95 and NT
- IBM OS/2

## IV. SDK Features

Some highlights of the SDK components:

- Support for a variety of 16-bit and 32-bit Operating Systems.
- Custom signature capture, store and processing.
- Compressed signature capture, store and processing.
- A variety of signature processing operations (e.g. thinning, smoothing, resizing, rendering etc.)
- Conversion of @pos.com's .SIG, .NLC and .CMP signature formats into standard graphical file formats (like .BMP, .TIFF etc.).
- Built-in Magnetic Card Reader and PIN pad capabilities.
- Graphics enabled display for Bitmaps, Live ads and other customer interactions.

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<sup>1</sup> @pos.com intends to replace the older PenWare100 and PenWare2000 with the newer PenWare1100 and PenWare1500 series respectively.

## V. SDK Organization

1. **PadCom:** This component handles all of the protocols necessary to communicate to a @pos.com POS terminal through a PC's RS232 serial port. PadCom implements an Operating System dependent RS232 communication protocol and provides interface functions to configure, setup and control @pos.com POS terminals. PadCom comes bundled as a set of static "LIB" library files<sup>2</sup> for C/C++.
2. **SigKit:** This component is aimed at post-processing the POS signature data gathered from the @pos.com POS terminal PadCom or SigBox.OCX. SigKit processes signature data and provides functionality to save and convert to various standard graphical image formats. Standard image operations like thinning, pen color, etc. are provided. SigKit comes bundled as a set of static "LIB" library files for C/C++.
3. **SigBox:** This component combines many of the most useful elements of both PadCom and SigKit, provides additional functionality and includes a visual interface allowing signature data captured in real time to be easily displayed. The SigBox comes bundles as both a 32-bit ActiveX control and a 16-bit OCX control (both with the same functionality). The SigBox control can be easily integrated into applications that support 16-bit OCX or 32-bit ActiveX technology such as Microsoft Visual Basic and Microsoft Visual C++. Using the SigBox control is the easiest and fastest way to integrate @pos.com POS terminal functionality into your application.

Please refer to the SDK documentation for a detailed listing of available APIs.

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<sup>2</sup> The users can implement their own RS232 communications protocol if so desired.