

# SDK

**POWAPOS™**  
payment freedom



## A single solution with infinite possibilities

The PowaPOS SDK works seamlessly with your existing smartphone and tablet applications, empowering you to provide merchants with a complete, powerful point-of-sale system.

The PowaPOS SDK is the central component of the PowaPOS Software Developer Program, which also features a world-class online Developer Portal. Together, they simplify app integration with Powa's hardware and services, including PowaTag, its mobile payment and engagement application that allows consumers to buy instantly through adapted QR codes, audio watermarking and in-store beacon technology.

Through a single API, the PowaPOS SDK integrates seamlessly across all operating systems - iOS, Android and Windows. Standard interfaces are provided to drive the PowaPOS integrated printer, 2D QR/barcode scanner, cash drawer and PowaPIN. The SDK also supports third party payment terminals and peripherals, including NFC-enabled, making it ready for advanced payments such as Apple Pay.

The PowaPOS SDK has also been implemented to address the ongoing costs associated with PCI-DSS compliance by establishing an out-of-scope environment for integrated, advanced POS applications. By providing a secure and encrypted interface to PCI and EMV compliant devices, the PowaPOS SDK allows software developers to save thousands of dollars in ongoing assessment and certification fees.



iOS

 Windows







Interested in more information or want to get in touch?

**Email [powapossales@powa.com](mailto:powapossales@powa.com) or visit [www.powa.com/powapos](http://www.powa.com/powapos)**



## World-class software. Meet world-class support

The PowaPOS Developer Program includes a world-class, dedicated Developer Portal. Here, software developers will find all the tools and resources needed to use the SDK and its included components:

- Software API downloads and drivers
- Documentation
- Sample code and applications
- Online and phone support from a dedicated engineering team
- Community support forum

Support is available during normal business hours, with extended hours available subject to commercial agreement.

## Advanced functionality. Simple integration.

The SDK provides an abstracted interface to all the devices that are part of the PowaPOS architecture, as well as the PowaPOS Server functionality.

The SDK implements the basic payments logic to minimize the complexity visible from the customer application. It also abstracts and groups related functionality by type (PED, peripherals and server).

Functional groups have the same behavior independently of the drivers in use. For example, if two different printer drivers are supported, the exposed functionality is the same: Print Receipt.

The available drivers/servers can be swapped or added to allow flexible deployments. The SDK supports integration of a customer-written server abstraction (according to the Powa-specified interface), to allow for server customization. All the supported drivers have an emulation mode that allows them to be used without a physical device connected.

## Technical specifications

### OPERATING SYSTEMS SUPPORTED (TABLET AND SMARTPHONE)

#### Android

- Honeycomb 3 • Ice Cream Sandwich 4.0x
- Jelly Bean 4.1x – 4.3.1 • KitKat 4.4x+

#### iOS

- Version 5+

### DEVELOPMENT ENVIRONMENT - SYSTEM REQUIREMENTS

**Minimum:** 400 MHz CPU, 96 MB RAM

**Recommended:** 1.0 GHz or higher CPU, 256 MB or more RAM  
20MB of HDD space - up to 520 MB required if .NET 3.5 Framework is not installed • The PowaPOS SDK is provided with a Windows 32-bit or 64-bit installer

### STANDARD PERIPHERALS AND INTERFACES

- PowaPOS Integrated Printer • PowaPOS 2D Scanner
- PowaPOS Cash Drawer • PowaPOS PowaPIN payment terminal
- PowaPOS Server • 3rd party payment terminals
- 3rd party customer displays

\*Supported platforms subject to change based on market demands and vendor EOL status.



SDK supports simple integration with PowaTag

Interested in more information or want to get in touch?

**Email [powapossales@powa.com](mailto:powapossales@powa.com) or visit [www.powa.com/powapos](http://www.powa.com/powapos)**

