Transaction. Interaction. Convergence.™

Application and Software Development Environment

for the Spire Line of POS Products

Delivering ground breaking and innovative solutions in today's rapidly changing markets requires fast and efficient software development combined with the most up to date platforms. Spire Payments has the answer with the inSPire development environment tailored to work with the new Spire line of POS terminals, PIN-pads and payment devices.

inSPire comes in the form of a single package with all necessary transactional tools and fully certified libraries. This package enables a rapid application development cycle and includes on-target debug which, allied with Spire's unique automated test environment, automatic common format report and automatic documentation generation, allows full or partial regression testing of the Spire Development Kit functions to ensure solution integrity at every stage in the application creation process.

Fully supported by Spire's team of Development Environment specialists, inSPire enables the rapid evolution and availability of new payment applications by facilitating the development process and saving partners time and money so that they can focus on creative and imaginative applications. The toolkit has been designed around a Linux OS based platform which provides native support for POSIX functionalities. Additionally, as each Spire Payments' device shares the same architecture, each new application, once written and approved, will function on the complete product range without a need for repeat certification.

Though intuitive to use, the option of regular hands-on training sessions delivered by the Spire support team allows adopters to familiarize themselves with the wide range of facilities available and immediately begin productive development.

One single executable for a powerful and complete toolkit

Spire Development Kit (SDK) focused on partners:

- Reduced porting time for HSDK based applications
- Common Application Layer (CAL) to facilitate porting of ASDK based apps

Certified EMVL2 kernel

Certified contactless kernels – PayPass, PayWave, ExpressPay

Multiple sample applications

Contactless Level 3 (CLL3) facilitating development of contactless applications

Complete documentation – from first contact to advanced development

QA Testing Environment for SDK qualification

- Package versioning, no manual file copies, no machine-dependent environment
- Easy to add new tests for specific features and easy to check, trace and regress anomalies
- Automatic reports and automatic documentation generation

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inSPire™

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Spire PAYMENTS®

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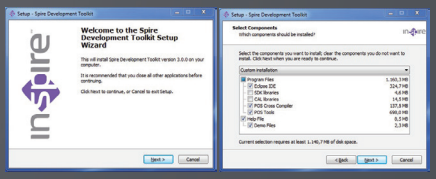
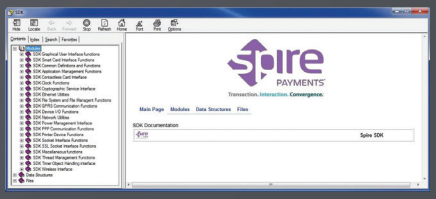
www.spirepayments.com

Personalised single executable from comprehensive tool set



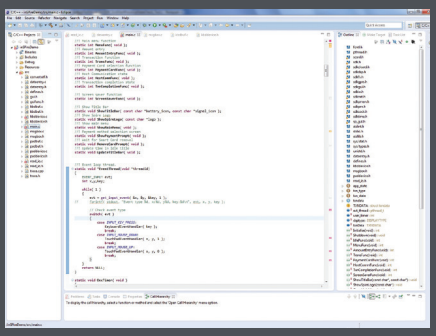
- Complete IDE
- Universal packaging tool
- Software download tool
- System software updates
- Additional libraries
- Sample applications
- Documentation

Clear and complete documentation



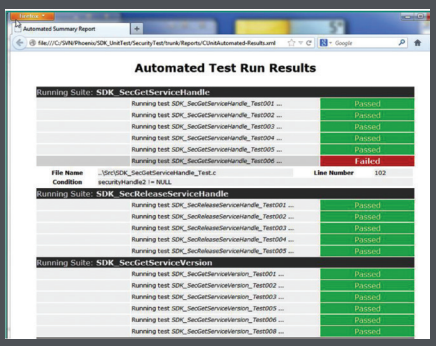
- Platform and toolkit overview for easy start up
- How to guides for advanced development
- SDK Help files automatically generated from source code in CHM or HTML format
- Security guidance covering application development as well as installation and operation processes

Full spectrum of sample applications



- Peripherals and device demo code
- SSL socket management
- Cryptographic functions demo code
- EMV L2 kernel and transaction flow
- Using contactless level 3 (CLL3) with certified contactless kernels
- Payment application simulation

Powerful SDK testing and QA environment



- Package versioning for fast test cycles
- Easy to add new tests for specific features
- Simple trace and bug regression management
- Active test automated listing
- Automatic test report
- Cumulative summary reporting
- Automatic documentation creation

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