



► **Certifications**

- Interac Certified
- RSA Secured
- RoHS Compliant
- PCI PED Approved
- EMV Approved

► **Applications**

- Regional chains
- National chains
- Independent grocers
- Drug stores
- C-stores
- Specialty markets

Fast, Flexible and Easy-to-Use System Integration

At the heart of the Optimum L4000 series payment terminals lies the Hypercom Forms Processing Engine (FPE). FPE32 is a simple to use, PC based set of graphical tools that simplifies the process of integrating Optimum L4000 series payment terminals to POS and other in-store systems. FPE32 allows retailers to customize payment transaction flows and advertising content that can be displayed on these graphical terminals. This customer-specific look and feel includes logos, graphics and advertising data files that can be downloaded dynamically to ensure customer brands are maintained at all levels.

Based on years of experience in terminal application development, FPE32 does exactly what most retailers want, without having to write a single line of code in the terminal. Using a detailed API document, retailers or integrators can interface Optimum platforms to ECR's or host systems in a matter of days rather than the more typical 4-6 months.



Customizable for merchant brand advertising



Rapid and parallel development



Contactless payment

FEATURE-RICH SOFTWARE APPLICATION



Customizable GUI ► *With a single application*

Advertising and Animation ► *Data files can be downloaded dynamically to ensure customer brands are maintained at all levels*

Supports ► *Both Hypercom Optimum terminals and pass-through peripherals*

Saves Time and Money ► *Allows non-programmers and developers to work in parallel*

Compliance ► *Unified POS (OPOS and JavaPOS) compliant*

Contactless Payment Support ► *Includes, but not limited to, American Express - Express Pay, MasterCard - PayPass and VISA.*



FPE32

FAST, FLEXIBLE AND EASY-TO-USE SYSTEM INTEGRATION

TECHNICAL SPECIFICATIONS:

Please contact your Hypercom representative for system requirements.

Comprehensive Software Application Suite Supporting

- ▶ Electronic payments, EFT, advertising, customer display functions
- ▶ Signature capture, electronic contracts, forms presentation
- ▶ Contactless payment transactions
- ▶ Smart card / EMV transactions.

Application Development

- ▶ Utilizes a Microsoft Windows or Linux based tool that simulates POS systems using FPE32 interface ActiveX/COM DLL, JavaPOS or OPOS controls with all the features needed for rapid prototyping
- ▶ Saves time and money by allowing non-programmers and developers to work in parallel; non-programmers can develop the business logic, look and feel, while developers can interface the POS application to the FPE32 API.

Industry Standard Development Elements

- ▶ Utilizes Microsoft Windows-based tools for standard look and feel, using a simple drag and drop approach to creating screens
- ▶ Pre-built objects for standard functions like signature or PIN can be quickly dropped onto the virtual screen and viewed before being loaded into live terminals
- ▶ Allows simulation of POS systems and terminal functionality to preview all screens and business logic without the need to write a single line of code
- ▶ Built-in monitor capability enables POS developers to see exactly what messages and text are transferred between the Optimum terminals and the host application.

Emulation Mode

- ▶ FPE32 includes emulation of existing industry financial payment protocols, allowing retailers to install Optimum L4000 payment terminals without requiring extensive application re-writes. The Emulation modes supported include IBM's IBMEFT protocol, Motorola (Symbol Technology) POS Portal protocol, and MTX-EPS' SCAT protocol.

Security

- ▶ FPE32 application is PCI-PED compliant. Security sensitive forms must be digitally signed
- ▶ All data transferred between the POS terminal and the Optimum payment terminal running FPE32 is automatically encrypted, using Triple DES encryption.

SUPPORTED TERMINALS:



HYPERCOM PIN PADS



OPTIMUM L4250



OPTIMUM L4150



OPTIMUM M4100 BLADE

© 2007 Hypercom Corporation, all rights reserved. Hypercom is a registered trademark of Hypercom Corporation. The Hypercom logo is a trademark of Hypercom Corporation. All other products or services mentioned in this document are trademarks, service marks, registered trademarks or registered service marks of their respective owners. Product Specifications subject to change without notice. 940529-001, Rev A, January 2008



www.hypercomlac.com