

# Hypercom Developer's Toolkit — Optimum Edition

A superior tool for application development.



## Product Data

The Hypercom Developer's Toolkit, Optimum edition is a global development tool built to help developers rapidly create new and sophisticated 32-bit applications for traditional and specialty market segments on the Optimum platform which offers the broadest range of terminal products in the industry. This toolkit supports application development in both C and C++ and is comprised of industry-standard development elements.

## Key Features

- Application development in both C and C++
- Develop, build and debug applications all within a single IDE
- Market-accepted IDE meets the demands of experienced developers
- C++ development uses the Hypercom Foundation Class Library (HFC)
- Fast and powerful debugging solution reduces development times
- Professional training and robust C++ sample application provide head start for developers for application development on the T4100 and T4200 XScale Platform

Whether you're looking for a reliable payment terminal, innovative, value-add technology, or a complete electronic transaction management system, Hypercom can deliver. Our product portfolio ranges from basic credit authorization to full transaction transport and more. Hypercom is more than a one-stop shop for payment terminals, it's a provider of complete, end-to-end transaction solutions that expand the possibilities at the POS in ways that translate to greater profits.

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## Technical Specifications:

### Minimum System Requirements

- Intel Pentium III 500MHz microprocessor
- Microsoft Windows XP, 2000, NT4, Me, 98; LINUX Kernel 2.4
- 128MB RAM (256MB recommended)
- 1GB hard disk space
- VGA monitor (SVGA recommended)
- Ethernet 10Base-T network running TCP/IP (100Base-T recommended)

## Application Development

- On-Demand multi-application enables all applications to run independently, which ensures optimal performance as the device can focus on all of its resources on the current program
- Adaptive Application Environment (AAE) allows applications to interact securely with each other at very high levels enabling Hypercom card acceptance terminals to provide a truly collaborative approach to multi-application
- Hypercom Foundation Class Library (HFC), a set of C++ library modules, provides an object-oriented (OO) framework for the development of Point of Service (POS) applications, which affords developers flexibility and extensibility while reducing development times
- Application migration to the Optimum platform for Hypercom 8-bit and competitors' terminals is provided through standard libraries and sample applications.

## Industry Standard Development Elements

- GCC, the GNU Project compiler, provides many levels of source code error checking traditionally provided by other tools and can perform many different optimizations to the resulting object code
- GDB, the GNU Project debugger, provides the developer with the ability to download their application to the terminal and debug the application over a TCP/IP connection
- The IDE, based on Visual SlickEdit 2007, is an award winning, rich set of tools for organizing, analyzing and working with code, file and directory tree differencing and three-way merge editing.

## Support

- Hands-on training classes for individual developers and development teams provide detailed instruction on the fundamentals of the Optimum architecture to best leverage its capabilities
- Technical Support is provided through an online portal where developers can securely report issues, get answers to frequently asked questions and download the latest software and documentation.