

## Benefits

### Easy to Use

Features an advanced set of developer tools to simplify and facilitate the creation and management of security and license designs.

### Fast Deployment of Popular License Models

Comes pre-configured with Business Layer API™ framework to support popular business models at a higher-level API, reducing time spent on implementing security and licensing by up to 60% or more in comparison to alternative solutions.

### Enhanced Security

Uses AES, one of the industry's most advanced and recognized public algorithms for encryption.

### Simplified Key Administration

Enables programming of multiple keys and provides a framework for future enhancements—enabling base license tracking, upgrade management and inventory tracking.

### Enhanced Memory

Available with optional enhanced memory to support the implementation flexibility and scalability that developers require.

# Sentinel UltraPro

*Protect your software and increase your revenue. Secure your applications with Sentinel™ UltraPro software protection hardware keys and protect your valuable intellectual property and associated license revenues.*



## Leading Anti-Piracy Solution

For over a decade, Sentinel hardware key customers have received an estimated \$4.5 billion in additional revenues by protecting their applications from unauthorized execution. SafeNet's Sentinel hardware keys secure more clients worldwide than any other key. For developers who are seeking to provide the highest level of anti-piracy protection, Sentinel UltraPro provides the most flexible, easy-to-use and quick-to-implement software protection solution available today.

## The Ability to Choose a License Model That Suits Your Business Needs

Increase your license revenues and tailor your product offerings to your customers by choosing a license management option that is in line with your business, security and licensing needs. Available options include the following:

<i>License Type:</i>	<i>Used to:</i>
<b>Demonstration Offer</b>	Provide the option of try-before-you buy
<b>Pay-per-use</b>	Lease or rent your software based on usage
<b>Subscription</b>	Lease or rent your software based on a time period
<b>Feature-based License</b>	License sub-modules or components of your software
<b>Concurrent Network License</b>	Allows use by a set number of licensees at one time

UltraPro is pre-configured with higher-level APIs for popular license models, significantly reducing the time required for implementation.

## Easy and Fast to Implement

If you are facing time constraints or don't have access to source code, the Sentinel UltraPro Shell technology can be used to quickly wrap your application and secure it to a Sentinel UltraPro hardware key, with

no custom programming required. The Sentinel UltraPro Shell technology can be customized to support your needs for trial versions through time limits and expiration date support.

To implement more advanced security and license models, integrate the hardware key with your application using the Sentinel UltraPro's Business Layer APIs™. Business Layer APIs™ are pre-configured higher-level APIs for popular license models such as Demonstration, Subscription, or Metered Licensing. They typically reduce the programming time required to secure a new application by up to 60% or more compared to alternative methods. Reducing and simplifying the required programming steps also improves implementation quality and security.

We also provide sample code for the most popular application development environments such as Microsoft Visual C++, Microsoft Visual Basic, and Microsoft.NET to get you started on custom applications.

Activation licenses can be delivered to your customer via fax, phone or email using Client Activator. One hardware key can be used to securely protect multiple applications, and to allow remote updates, as well as the activation of "suites" of features.

## Manage Your Deployments Effectively

UltraPro's Key Manager feature set enables developers to program multiple keys at once and to customize license models at the production stage. In addition, you can securely assign the fulfillment and upgrade of your keys to your distributor or reseller. The Key Manager provides the framework for planned future enhancements including license tracking, upgrade management, inventory tracking and billing.



### Simplify Implementation with Integrated USB and Parallel Port Support

Support USB and parallel port (ISA or add-on PCI adapter cards) hardware keys with the same program library.<sup>2</sup> USB keys offer plug-n-play installation that is transparent to other system devices. Furthermore, SafeNet offers the industry's only "low-profile" protection device in Sentinel UltraPro 797.

### One Programming Effort to Secure Multiple Platforms

To save development time and logistical cost, you can support your application on multiple operating platforms with a single development effort. Use the Sentinel UltraPro USB key to secure your applications running on Windows, Linux or Macintosh<sup>1</sup>. Use the Sentinel UltraPro parallel port key to secure applications running on Windows, Unix and Linux.

### Enhance Revenue Potential with Try-Before-You-Buy

You can offer users the ability to try your software and then easily update it to a fully licensed product. The Sentinel UltraPro Field Activation<sup>1</sup> functionality allows you to increase demo limits, upgrade demos to fully licensed applications and provide access to specific features without shipping a new key or visiting your customer's site.

### Secure Your Application on the Network

The network version of Sentinel UltraPro, Sentinel UltraProNet, protects client-server applications/development and provides server monitoring to track license usage on the network. Sentinel UltraProNet for the Windows platform supports TCP/IP, IPX, and NetBEUI and Sentinel SuperProNet for Linux supports TCP/IP.

### Superior Technical Support

The SafeNet Technical Services organization provides worldwide Internet-based, email and telephone support to provide the highest level of service to our customers.



## Technical Specifications

### Programmable Memory

UltraPro 112 bytes  
UltraPro XM 464 bytes

### Minimum System Requirements

Pentium II 450MHz  
1024 x 768  
(1152 x 868 recommended)  
70 MB hard disk space  
CD-ROM Drive  
128 MB RAM (256 recommended)  
Windows NT (SP 4)/2000/XP/  
Server 2003  
Java 2 Runtime Environment  
version 1.4 or higher  
Web Browser  
PDF File Viewer

### Cross Platform Support

Red Hat LINUX  
Windows 9x/NT/2000/XP  
(Client Library only)  
Macintosh OSX 10.2.x

### Supported Compilers<sup>4</sup>

Borland C++Builder 5.0 & 6.0  
Borland Delphi 5.0 & 6.0  
COM Object VC 6.0  
JAVa2SE SDK 1.4  
Microsoft Visual C++ 6.0  
Microsoft Visual Basic 6.0  
Microsoft.NET  
Metrowerks CodeWarrior 3.0

### Form Factors

USB  
Parallel Port<sup>3</sup>  
Low Profile Parallel Port 797<sup>3</sup>

### Certifications:

The Sentinel UltraPro USB driver is Windows Hardware Quality Labs certified for Windows 2000 and Windows XP (32-bit)

<sup>1</sup> Windows and Linux available now. Macintosh available in Q4 2004. Field update for Macintosh supported indirectly through Windows.

<sup>2</sup> Windows and Linux Versions

<sup>3</sup> USB available now. Parallel Port, Low-profile Parallel Port (797) available in Q4 2004

<sup>4</sup> Please contact us if you don't see your compiler listed above

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