

# A Secure Thin-Client Solution for Value-Added and Vertical Applications

# OpenEstate™

## Software Range

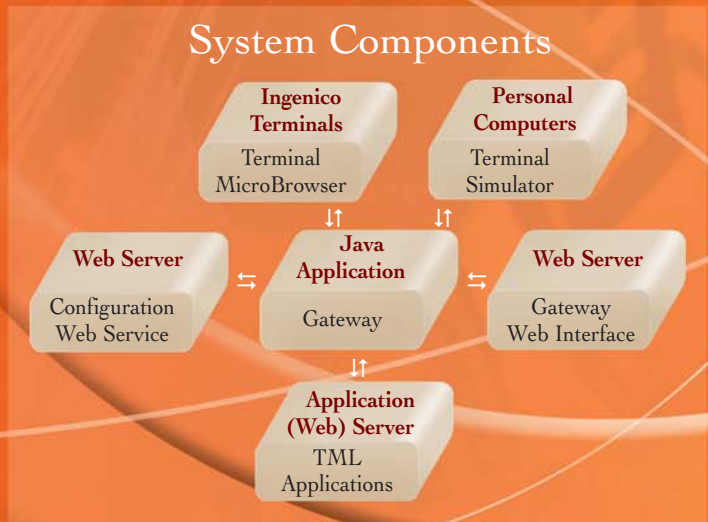
OpenEstate™ is a secure, web-based, **thin-client** transaction processing framework. The terminal connects with the server side using a mutually authenticated, encrypted channel over the internet or other TCP/IP enabled networks. Built on Ingenico's state-of-the-art secure operating system, UNICAPT 32™, OpenEstate provides flexibility without compromising security, making it simple to add secure terminal applications into any vertical market or value-added solution.

- The terminal-side of the framework is the **Microbrowser™**. This processes applications developed in Ingenico Terminal Mark-up Language® (TML), in much the same way as web browsers render HTML pages on your desktop today.
- The server side of the framework is the **Gateway™**. The Gateway ensures authentication of the terminal and back-end application servers to guarantee complete end-to-end security for transactions, while compressing all data transmitted to the terminal to ensure optimal network performance.
- The **Gateway™ Web Interface** allows to completely manage the gateway from a remote location, including application updates and configurations, and accessing transaction logs.
- TML applications can be quickly developed using the Terminal Simulator™, which allows to test TML applications on any Windows or Linux PC.

### Architecture



### System Components



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OpenEstate provides an end-to-end web-based architecture for the deployment of secure electronic transactions software and services. Its thin-client framework provides significant competitive advantage over the traditional model for application development and deployment.

## Key features and benefits:

- **Based on Standard Web Technologies** – OpenEstate allows organisations to provide a physical terminal front end to their existing eCommerce systems, using the technologies they use today (e.g. .NET, ANSI SQL databases, J2EE Application Servers).
- **Rapid Application Development** – No specialist skills are required to develop a terminal application with OpenEstate.
- **Simple integration** – Using OpenEstate makes it simple to integrate Ingenico terminals and their applications with a wide variety of architectures.
- **Simplified Estate Management and Helpdesk Functions** – The ability to immediately change or reconfigure applications without manual intervention on-site makes helpdesk operations simpler, faster and cheaper.
- **Leveraging IP to Provide Faster Transaction Times and Better Management Information** – OpenEstate is a complete, end-to-end IP-based solution that leverages the power of customers' existing IP infrastructures.
- **Simple and effective development of Graphical User Interfaces** – TML contains all the standard elements for GUI development such as check boxes, radio buttons, clickable buttons, scrollable areas...
- **Virtually Limitless Terminal Applications** – As applications are held on the server side within OpenEstate, the quantity that can be served by a terminal is no longer limited by its onboard memory but by the capacity of the server.
- **Offline Capability** – OpenEstate can operate in offline mode, where the application is loaded in cache memory, tanking transaction information and only going online when absolutely necessary (e.g. for authorisation).
- **Instant availability of new services** – Complete flexibility is possible with applications being updated virtually instantaneously on the server. This aids product roll-out and helps deploy new services quickly.
- **Excellent prototyping capabilities** – With more complex terminal applications it is increasingly necessary to perform usability testing and remodel the application as appropriate to ensure success in the field. This is a very simple process with OpenEstate's Terminal Simulator: changing the application GUI or workflow becomes effortless.



OpenEstate Terminal Simulator ▶

### Software requirements

OPERATING SYSTEM	Microsoft® Windows XP Linux Red Hat 9
JAVA SOFTWARE	Java 2 SDK SE version 1.5 or later
DATABASE SOFTWARE	Microsoft SQL Server 2000 or 2005 MySQL Server version 4.1 or later
WEB APPLICATION SERVER	Microsoft IIS APACHE TOMCAT 5.5.X
WEB BROWSER	Microsoft® Internet Explorer version 5.0 or later Mozilla Firefox version 1.0.4 or later

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