



## Accelerate Your Wall Street Excel Applications

**Microsoft®, Intel® and ASPEED together can provide securities and capital markets firms a way to quickly and transparently speed up Excel® applications. By using Intel's Core™2 Duo desktop processor and Intel Quad-Core Intel Xeon® Processor servers, Microsoft Office Excel 2007 and Windows® Compute Cluster Server 2003, and ASPEED ACCELLERANT™ Software™, Wall Street firms can improve their profitability through faster calculation performance and increased information control.**

### Excel on Wall Street

Microsoft Office Excel has become a fundamental component of a securities and capital markets firm's business day.

Excel provides a graphical user interface to front-, middle- and back-office applications for calculations needed for business decisions, risk assessments, pricing, "what-ifs" and reports.

Excel has become the best mechanism to rapidly blend models and analyses for exotic and one-time pricing and risk calculations that service both the trader and the "quant."

Excel applications are "mission-critical."

### Excel and UDFs

Wall Street Excel applications are comprised of Microsoft-provided functionality and have been extended by industry and firm unique User Defined Functions (UDFs).

Intel, Microsoft and ASPEED are providing the underlying technologies to ensure these Excel applications meet the "mission-critical" service levels with a focus on significantly reducing the recalculation time to get faster results and handle more variables in less time.

Achieving and ensuring application service levels demands the orchestration of Excel, the underlying

hardware, the capacity infrastructure and the exploitation of the huge UDF investments.

### Improve Calculation Performance

New Excel 2007 multi-processing capabilities, new multi-core hardware and parallelized UDFs will provide more responsiveness, better decisions and reduce the "after-close" time waiting for job completion.

#### **Gain incredible calculation performance.**

- Significantly reduce calculation times for Monte Carlo simulations, parametric sweeps, portfolio optimization and risk calculations.

#### **Improve customer service.**

- Quickly produce portfolio modeling scenarios for customer "what-if" situations.
- Significantly reduce the pricing time

#### **Utilize desktop and server capacity.**

- Fully exploit multicore to improve your performance-per-watt benefits.
- Experience the power of Intel Core™ 2 Duo desktop and Intel's Quad-Core Xeon® series servers.

## Re-use your UDF investments.

- Accelerate VBA, XLL, DLLs, and COM add-ins without redesigning or rewriting.
- Quickly provide “exotic” pricing and risk numbers.

## Help Increase Job Reliability and Spreadsheet Scalability

Excel 2007 significantly increases spreadsheet cell capacity and can be integrated with the Windows® Compute Cluster Server 2003 (CCS) job scheduler to help improve job processing reliability, which can reduce costs, while Intel dual processors provide more capacity and ACCELLERANT ensures optimal hardware exploitation for UDFs.

## Easily Re-use Business Logic

Integrate models built using Excel 2007 and existing UDFs with external applications, and shorten product development using Excel Services (which requires Microsoft Office SharePoint® Server 2007).<sup>1</sup>

## Reduce errors and costs.

- External applications can now access business logic in Excel 2007 spreadsheets. Easily integrating Excel 2007 calculation formulas in other applications helps reduce errors and costs.

## Decrease time to market.

- Time to market can decrease and profitability increase by exploiting existing UDFs and re-using the proprietary model information using Excel 2007.

## Integrate with existing infrastructure.

- Open file format standard more easily allows the exchange of data with existing systems and external partners.

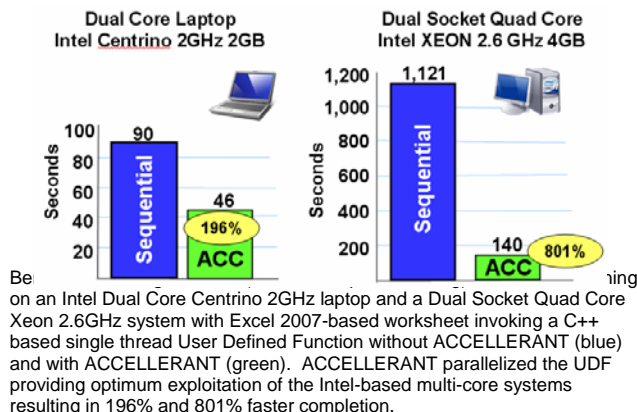
## Analyze large quantities of customer data.

- Apply predictive analytics to build behavior models to forecast future transaction size and product preferences for customers.

## Solutions

Excel applications can take advantage of:

- Microsoft Office Excel Office 2007 and Windows® Compute Cluster Server 2003 to exploit supercomputing processing power.
- Intel's Quad-Core Intel Xeon® Processor series provides advanced supercomputing processing capabilities through increased density with improved performance per watt.
- ASPEED Software with ACCELLERANT for Excel enhances the rapid and seamless enablement of huge inventories of Excel 2000-2007 UDFs and enables the applications to exploit and scale using Intel and Microsoft-provided capacity, and Windows CCS infrastructure.



## For More Information

To learn more about accelerating Excel, visit:

[www.microsoft.com/capitalmarkets](http://www.microsoft.com/capitalmarkets)

[www.intel.com](http://www.intel.com) or [www.aspeed.com](http://www.aspeed.com)



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<sup>1</sup> Excel Services requires Enterprise Client Access License.