

40 YEARS
OF CHANGING
THE WORLD



Intel Developer
FORUM



Intel Developer FORUM

Invent the new reality.

Personalizing Your Computing Experience

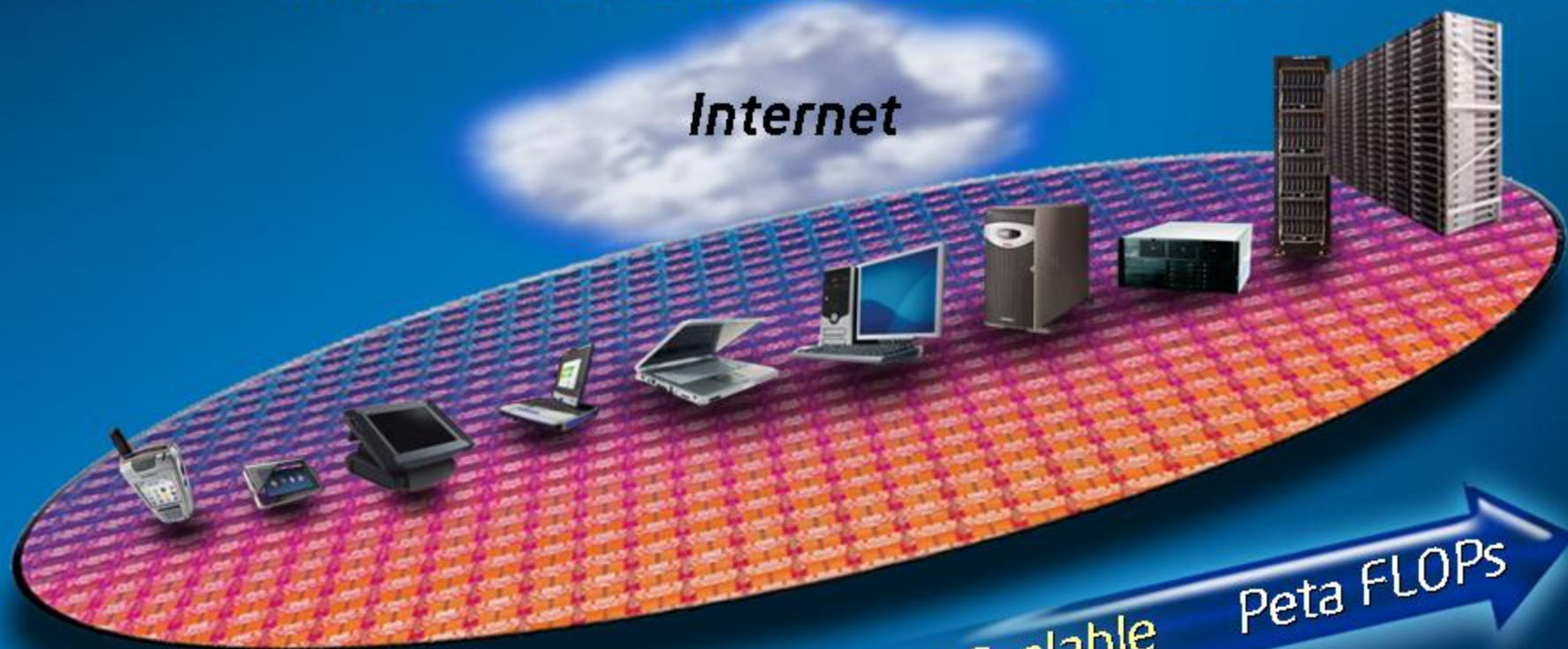
Dadi Perlmutter

Executive Vice President
General Manager, Mobility Group



Intel: The Architecture for Life

Internet



Milli Watts

IA Compatible and Scalable

Peta FLOPs

Energy Efficient Performance
Solid Tick-tock Execution



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Making the Computer Personal

WAS

Boring Beige Box

Sat On Desk or Floor

“One Size Fits All”

A Computer, But Not “Personal”



Making the Computer Personal

IS

Mobile

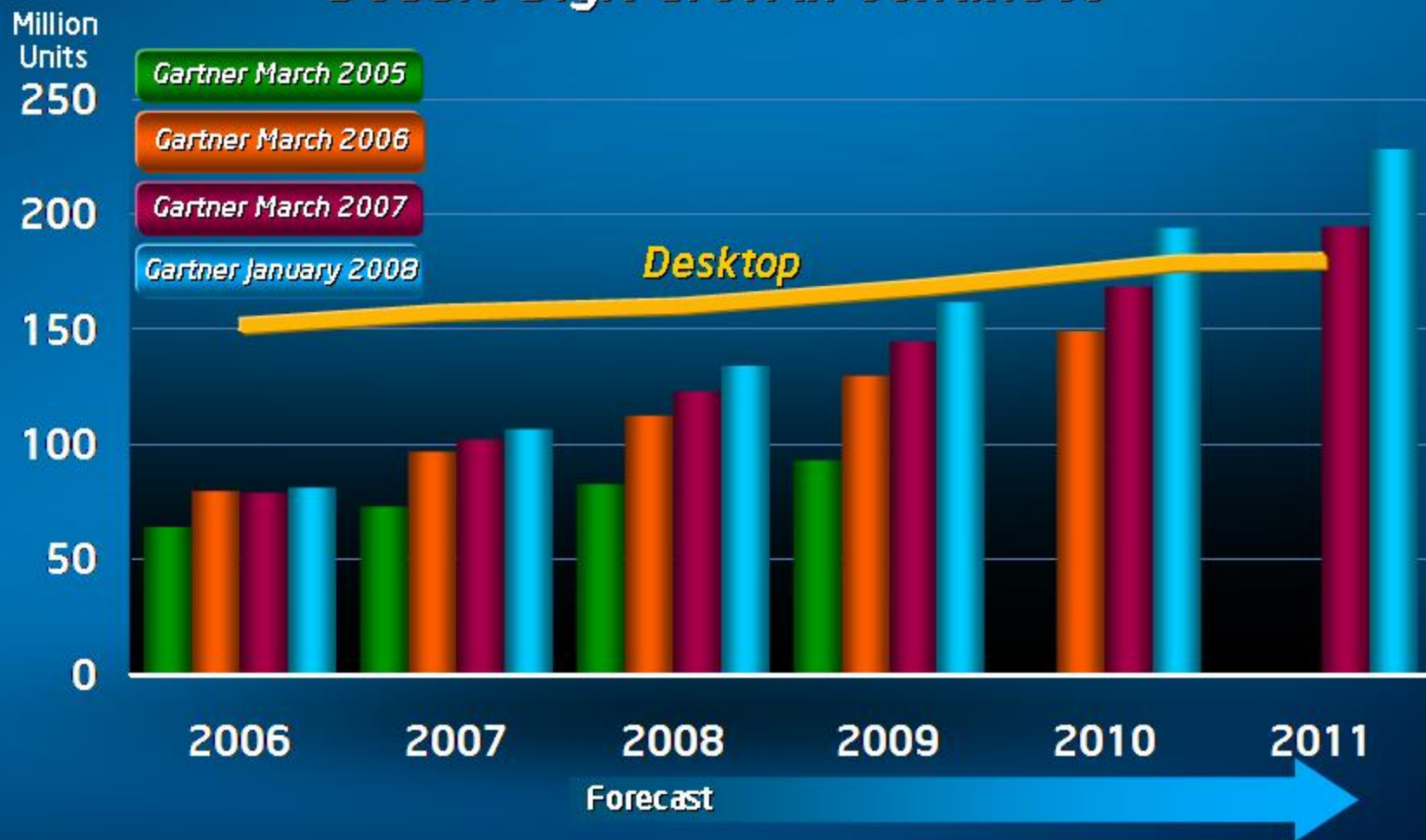
Stylish

Adaptable



Worldwide Notebook Forecast

Double Digit Growth Continues



Computing Personalization: Today's News

Introducing "netbooks"
and "nettops"

Montevina: WOW!

New technologies and
capabilities for
notebooks coming

Computers now focus on
form factor and style

WiMAX progressing
around the world



Enabling More People to Experience the Internet



*Simple
Affordable
Internet-Centric*



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Bringing the Internet to New Users

Worldwide Introduction June 2008



Emerging Markets: Primarily Education, 1st Time Users
Mature Markets: Education, Second+ Family Notebook



Personalizing the Mobile Choice

Internet in
Your Pocket

Basic Needs

Full Features and
Performance

Screen

4.5" - 6"

< 10"

= > 12"

OS

Linux, XP

Linux, Windows

Windows

Key Usages

Infotainment

Internet-centric

Office Productivity &
Multitasking



Mobile
Internet
Device



Netbook



Notebook



Netbooks and Nettops



INTERNET:

Connectivity is a Key Usage for Basic Computing

SILICON:

45nm Diamondville Shipping in Q2'08*

SOFTWARE:

Windows and Linux: Riding the Open Source Wave

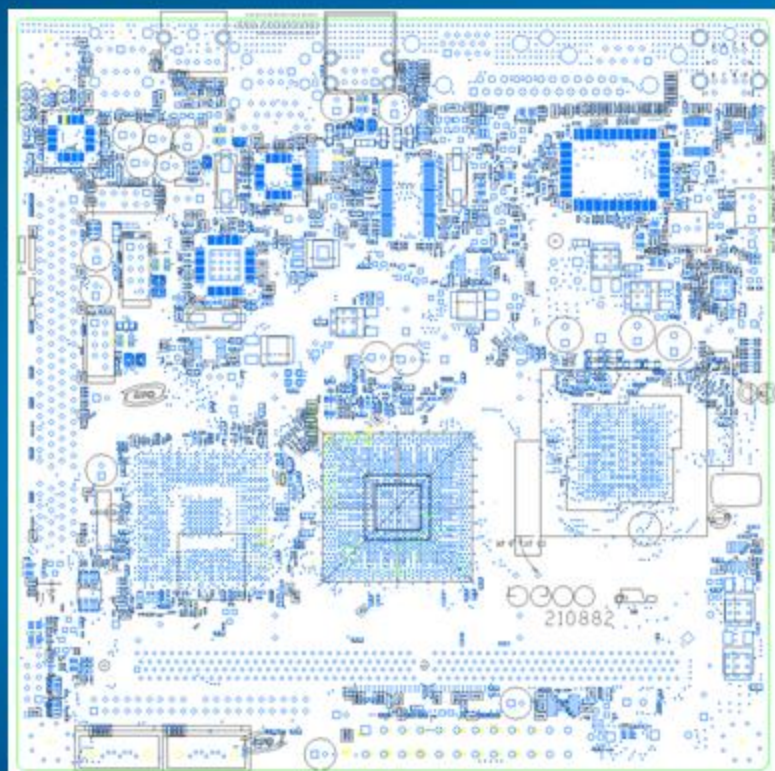
PURPOSE BUILT SOLUTIONS:

Platform Optimized for Low BOM Cost

FORM FACTOR:

Portability, battery operation (netbook)

Nettop Motherboard Savings Compared to Standard Desktop Cost



- Voltage regulator
- No active heat sink
- No CPU socket
- Optimized clock savings
- Motherboard planer savings

20-25% In Cost Savings



Sources: Mercury Research; January 2008
Intel Research; February 2008

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Additional Nettop BOM Savings



+

Additional Platform Savings:

- Optimized PSU
- No system fans
- Moving from HDD to SSD
- Cost optimized OS solutions
- *20-25% In Cost Savings*
- Optimized supply chain

Purpose Built: Cost Optimization Delivers Improved Profitability In Components/Boards/System Level



Sources: Mercury Research; January 2008
Intel Research; February 2008

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Developers Embrace Affordable Personalization



ASUS

CLEVO®



Topstar 顶星数码

malata



PEGATRON



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Thin and Light

Battery Life

Performance



Style and Design

Security

Internet Access



As one would anticipate, the most important thing in a computer is the speed.



From Spring 2007
IDF, Beijing

Building on a Tradition of Notebook Platforms

Napa
2006



Intel® Core™ Duo Processor

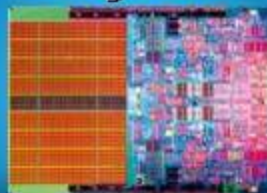
Santa Rosa
2007



Montevina
2008



Refresh



Intel® Core™ 2 Duo
Processor

Refresh



Penryn
(with Intel 45nm Hi-k metal gate
silicon technology)



Intel® Wireless
WiFi Link 4965 AGN



From Spring 2007
IDF, Beijing

Building on a Tradition of Notebook Platforms

Napa
2006



Intel® Core™ Duo Processor

Santa Rosa
2007



Montevina



June 2008

Refresh



Intel® Core™ 2 Duo
Processor

Refresh



Penryn
(with Intel 45nm Hi-k metal gate
silicon technology)



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Montevina: Wow!



Performance



Battery
Life



Form
Factor



Wireless



Manageability
Virtualization
Security

Performance

Life
Battery

Factor
Form

Wireless

Security
Virtualization
Manageability



All dates, plans, features are preliminary and subject to change without notice

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Montevina: Wow!

Performance

Battery
Life

Wireless

Manageability
Virtualization
Security



英特尔™ 迅驰™ 2



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**"I can't do as much
processing on my
laptop as I thirst for."**

*Prof. David L. Wessel,
Univ. of California (Berkeley),*

*Explaining why he uses three notebooks in his
music composition and performance work.*



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Montevina Visual Computing Plans



Stutter Free
HD Playback

Battery Life:
Watch a Full
Hi-def Movie



HQV¹ Score >120



Stunning
Visual
Quality

~2X
3DMark
Performance



3D Mark 06



DisplayPort
& HDMI
with HDCP

Scalable
Power
Performance



All dates, plans, features are preliminary and subject to change without notice.

¹ HQV is a standard definition video quality benchmark. Highest possible score is 130.

Intel® SATA Solid State Drives



1.8" & 2.5" Form Factors

32GB to 160GB Capacities

Faster System Responsiveness

1500Gs Extremely Ruggedized

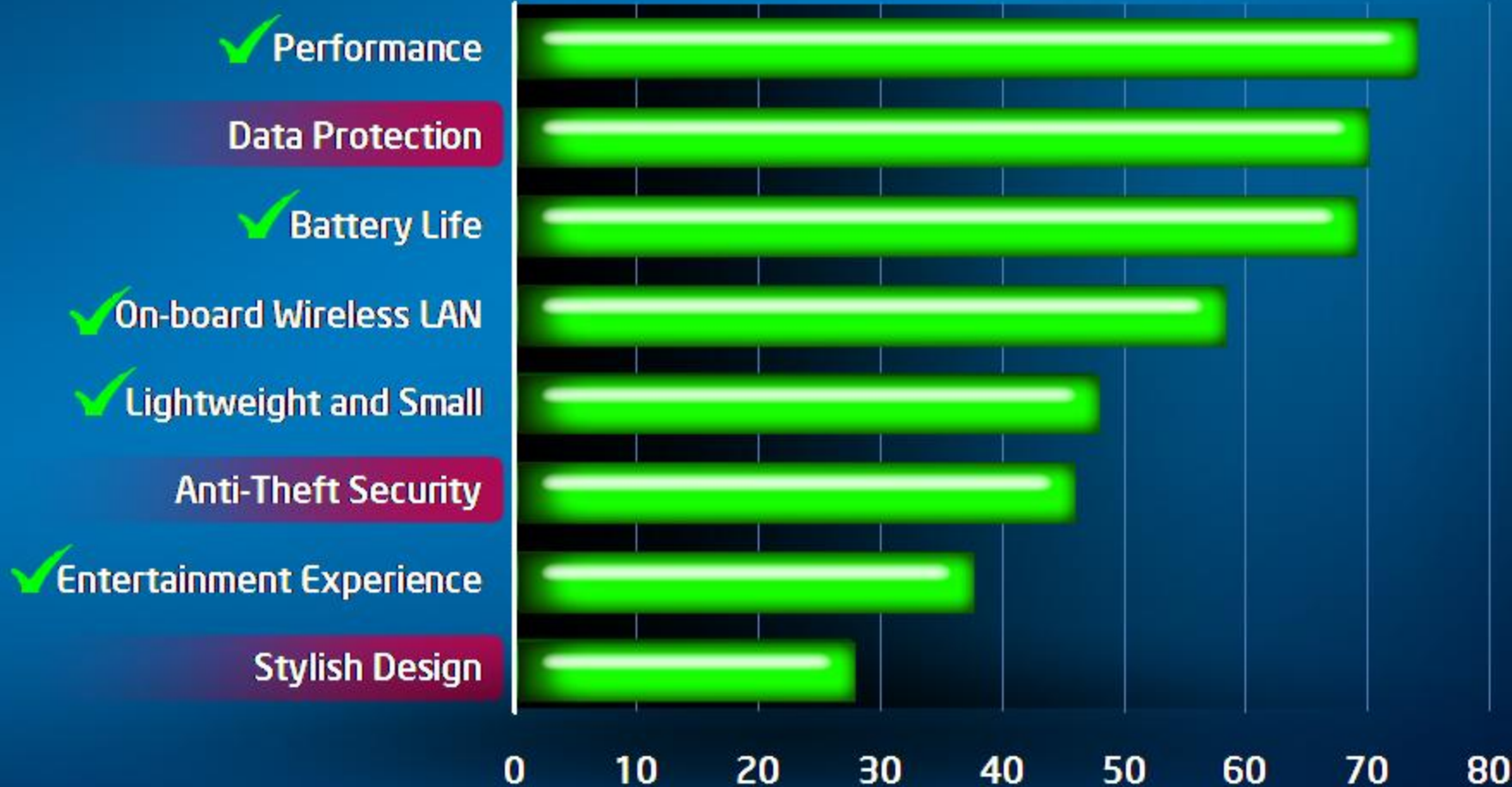
Extended Battery Life

Delivering on the Full Promise of SSDs



Top Consumer Mobile Computing Needs

Relative Feature Importance



Source: Intel Western Europe Mobile Usage Study, Fall 2006

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Expanding and Personalizing Security

Announcing Intel® Anti-Theft Technology

Asset Defense:

- Platform Disable
- Proactive Policies
- Recovery Support

Data Defense:

- Embedded Disk Protection
- Data Access Disable



AbsoluteSoftware

FUJITSU COMPUTERS
SIEMENS

lenovo



McAfee®

phoenix™ technologies **utimaco®**
safeware



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Management of Corporate Clients

Capabilities

Embedded Disk Protection

Network Security

Trusted Execution

Client-Initiated Remote Access

Manageability,

Energy Efficient Performance



英特尔™
酷睿™ 2 博锐™



英特尔™
迅驰™ 博锐™

Fellow Travelers

Managed Service Providers

System Integrators

Manageability &
Security ISVs

Desktop & Mobile OEMs

User Payback:

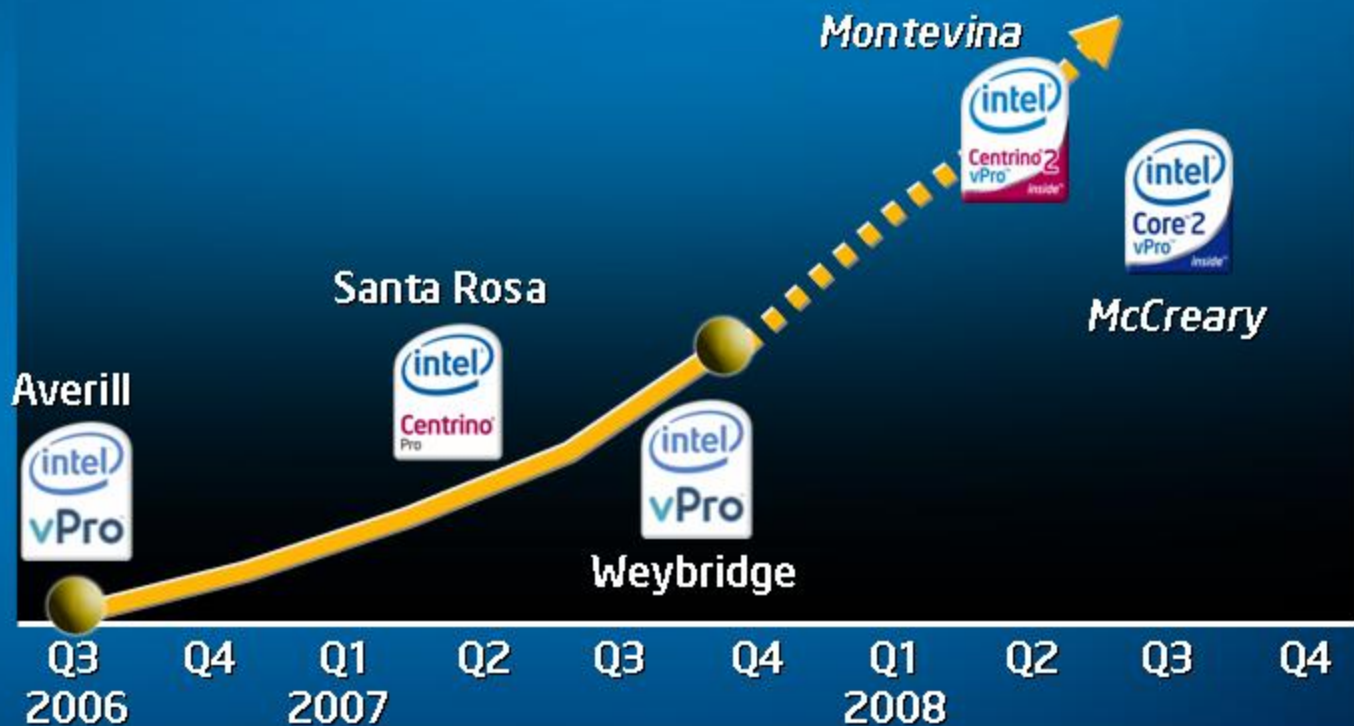
Positive ROI with Single Usage Model

25-30% Average Power Savings



Continuing the vPro™ Technology Momentum

Proactive Security • Built-in Manageability • Energy Efficient Performance



Over 14 Million Shipped To Date



Source: Intel

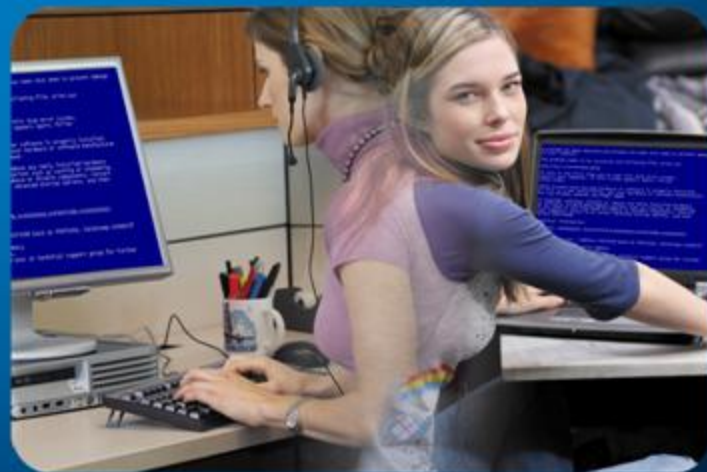
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2008 Intel™ vPro™ Technology Enhancements



Improved Wireless Manageability
Even When Notebook Is Asleep!

Client Initiated Remote Manageability



Virtualization in Clients

Multiple Partitions in a Single Client

Services and New Capabilities

Assisted by Intel Hardware Implementation
and Industry Innovation



George He
Senior Vice President,
Chief Technology Officer
Lenovo Group

lenovo



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Lenovo Client Virtualization Platform



Today's PC



Client Virtualization Platform



Secure Banking Solution



Windows Vista™



安全理财室



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Growing Global Adoption of WiMAX: Korea

KT WIBRO Deployments Growing

100k Users → 400k EOY '08

10M POPs Today → 28 Cities EOY

20 Devices (Approx.): Modems, Phones, PCs, PMPs

Users Enjoy ~3X Performance of 3G



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Seoul
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Growing Global Adoption of WiMAX: Russia

Comstar Readies WiMAX Plans for Moscow:
EOY 2008 Deployment

Mobile WiMAX Extension to Home Broadband

Moscow

COMSTAR
UNITED TELESYSTEMS



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Growing Global Adoption of WiMAX: Japan

UQ Readies WiMAX Plans For Japan

Selects Vendors

On Track for Early 2009 Trial Deployment in Tokyo



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WiMAX
FORUM



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Personalizing the Personal Computer



Form Factor Revolution: Package Technology



Stylish Notebook Designs

Mobile Internet Devices



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Form Factor Revolution: Lower Power

	Santa Rosa
SV	35W
LV	17W
ULV	10W

Montevina
25W



Light, Thin, and Stylish Notebooks



Thin Is In



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Building on a Tradition of Notebook Platforms

Napa
2006



Intel® Core™ Duo
Processor

Santa Rosa
2007



Montevina
2008



Calpella
2009



**"You could set your clock to Intel's
mobile platform roadmap."**

DAILY TECH



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First Look at Calpella

*Nehalem-based
Platform*

*Stunning New
Visual Experiences*

Calpella

*Revolutionary
Power Management*

*Management and Security
for Consumer and Business*



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Worldwide Notebook Forecast

Double Digit Growth Continues



The Personal Journey Continues

The Computer Gets Personal and Better Than Ever!

Expanding Client Manageability, Security and Virtualization

Extending the Reach of PCs with Netbooks and Nettops

Form Factor, Style and Fashion Take Center Stage



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