GROWELEVEL ATTENT



intel

accelerating "GHz and More"

Starting in 2001, progressive shift to integrating value added features into CPU Si...

PERFORMANCE... Hyper-Threading

ADDRESSABILITY...Extended Memory 64

CLIENT VIRTUALIZATION... Vanderpool

SERVER VIRTUALIZATION...Silvervale

SECURITY...LaGrande

Driven by shifts in the way people are "computing"



Next: moving from logical to physical PARALLELISM

Accelerating parallelism based on user needs

CLIENTS Broad multi-core deployment will drive usage shifts 2nd Core: new uses / better perf: GUI, rendering, security, firewall

- Digital Home: High Definition, PVR, gaming, video (multiple formats)
- Digital Office: multi-task (virus scan, security, encryption, Outlook*)
- Longhorn* users will see better performance with multi-core

SERVERS Increased performance with more parallelism

Software, environments...

driving PARALLELISM

architectural alignment with silicon & software

Phase 1: Hyper-Threading: Enabling for broad parallelism

Phase 2: Add Multi-Core in '05; Unique Products in DT, Mobile, Svr

All CPU development on Multi-Core

Software & Tools: Threading Tools, Compilers, VTune*

	2004*	2006*
Clients (perf)	55% (HT)	>50% (Multi-Core)
Servers (IA-32)	100% (HT)	100% (Multi-Core)
Servers (IPF)	n/a	>90% (Multi-Core)

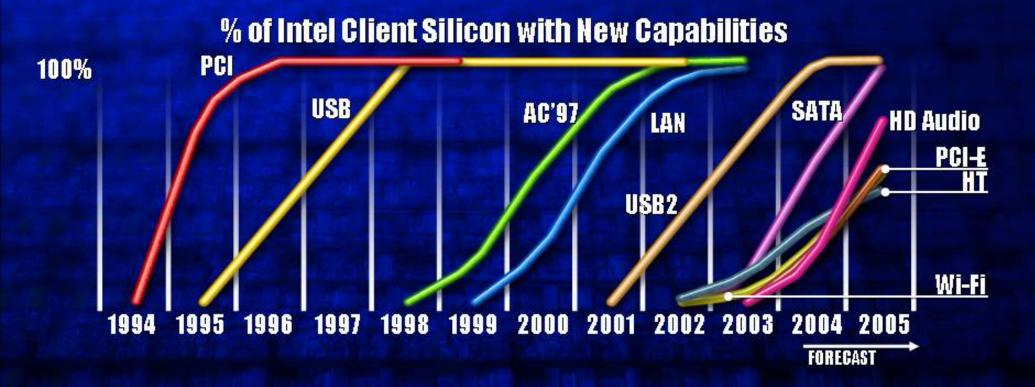
RESULT Increasing performance in better thermal & acoustic envelopes

beyond parallelism

adding value to the PLATFORM

Win the A/V experience: Media, Graphics & Audio

Wireless: Multiple Standards; Everywhere



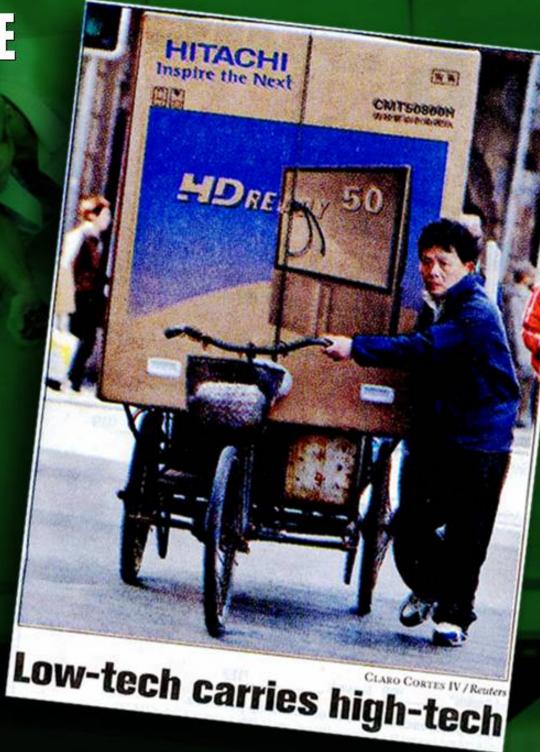
The next advance: Virtualization & Security (VT, ST, LT)

digital HOME



Convergence

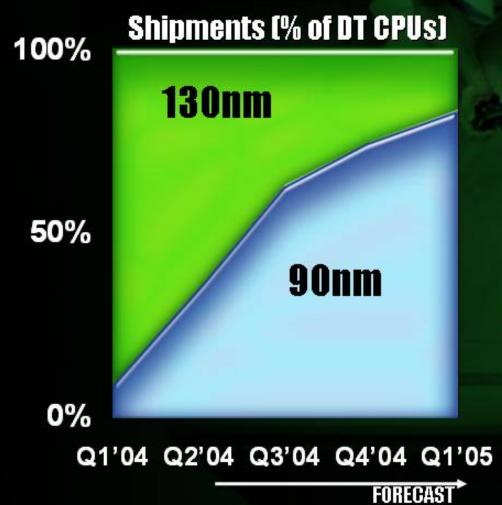
PC + Comms + CE **Design Cycles Global Market** Interoperability Simple Content





The NEXT Usage Model

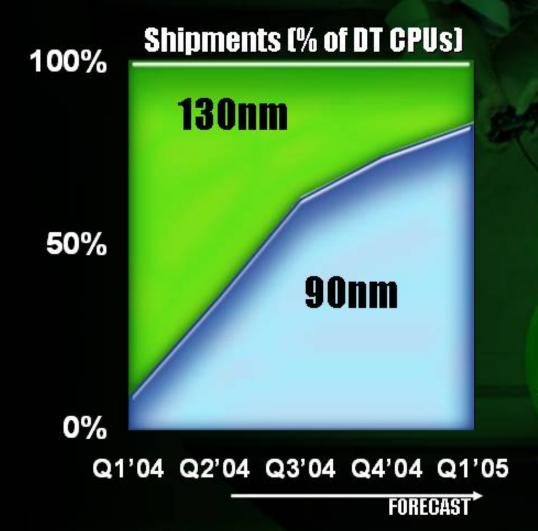
digital HOME **Prescott Family: New Features**



2004

XD (security) AAC (acoustics) 2MB cache

digital HOME Prescott Family: New Features



FUTURE
EM64T
Dual Core
Enhanced SpeedStep®
VT
LT
65nm

2004

XD (security) AAC (acoustics) 2MB cache

digital HOME

leading with converged platform:

Prescott + Grantsdale + Wi-Fi

200

100

0

Grantsdale Chipset

- 50% DT shipments by YE
- New capabilities for home and enterprise

Graphics: Now #1 MSS¹

Wireless AP: #1 MSS '052

RAID: #1 MSS in '031

300 Client Graphics Shipments (Units)³



'99 '01 '03 '05 '07 '09 FORECAST

INNOVATE & INTEGRATE
Lower total BOM cost; raise Intel BOM%

digital HOME products & ecosystem

2004Getting the Digital Home into *production*

- DHWG: 1.0 spec in June: 1st products Q4'04
- DTCP/IP: 1st products 2H'04
- EPC: begin ramp in Q2; all geos & Tier 1 OEMs in Q3
- Mobile: All OEMs ship Dothan-based DH SKUs
- CEG: >1Mu in '04 (Thompson, Samsung, Huawei...)

BC ONE YEAR AGO



2003

2004 FORECAST

HOTSPOTS1

35K

60K

ACCESS POINTS^{2,3}

7M

11M

802.11 CLIENTS⁴

21M

32M

Sources: Intel, 2(BC) In-Stat 12/02, 3(AC) Dell-Oro 9/14, InStat 02/04, Gartner 12/03

BC ONE YEAR AGO



AC TODAY

2003 FOREGAST 2004 FORECAST 2003 ACTUAL 2004 FORECAST INCREASE '03 f'castys, actual

HOTSPOTS1

35K

60K

100K

150K

186%

ACCESS POINTS^{2,3}

7M

11M

9M

14M

30%

802.11 CLIENTS⁴

21M

32M

36M

54M

71%

THE $2004 - 2007^*$ NOTEBOOK OPPORTUNITY TAM = 227 Mu^5



100%

Intel® Pentium® M Processor Shipments⁴

130 nm

- >\$3B (including family) revenue
- '04 Goal: 250% YoY unit growth
- 90nm Dothan launched
- Build >1Mu Dothan in Q2²
- #1 client Wi-Fi supplier Q3'04²

50%

90 nm

World is going mobile...

- >30% of clients in '08³
- APAC: fastest Intel® Centrino™
 Mobile Technology adopter: >44%¹

0%

Q1'04 Q2'04 Q3'04 Q4'04 Q1'05

FORECAST'

Whitebook & Channel Growth

Strong Channel Growth

- '03: record mobile CPU units
- '04: forecast 2X growth YoY
- >30 Channel SKUs

Intel® Centrino™ Mobile Technology

- Great enterprise penetration
- '04 focus: consumer, SMB, retail

Intel Centrino Mobile Technology

% Performance Mobile CPU Unit Shipments

Enterprise

SMB/Consumer

0

40

1H'03 2H'03 1H'04 2H'04 1H'05 FORECAST

mobile internet CLIENT Leading the Mobile Market Segment

Next: Sonoma Platform

More consumer appeal:

- HD audio, graphics, TV out

High bandwidth WLAN

802.11 a/b/g, security, improved UI

Best performance in mobility

– PCI-Express*, ExpressCard*, DDR-2

Battery saving PLATFORM features

Display Savings, Light Sense

mobile internet CLIENT '05-'06-Innovate on Mobility

Dual core CPU design

Optimized for low power

WLAN / WWAN enabling

− WiMAX, 3G = options



Improve security & management

– LT, VT = better platform integrity

Power saving techniques

 Extending voltage & frequency scaling x-platform



digital Enterprise

2004: Grow the platform

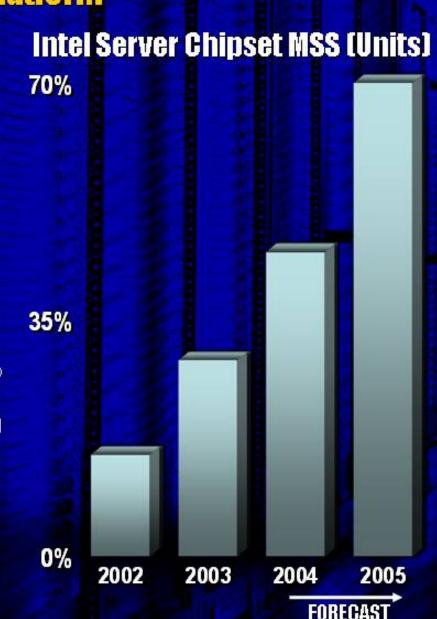
6 of last 9 qtrs = record revenue

Xeon™ DP & MP ASP growing

up last 4 quarters (YoY)

2004 Targets

- EM64T: intro mid-year
- ->40% Fortune 100 deploy Itanium®
- OEM Blade designs: top to bottom
- PCI-E slots in 80% of DP servers

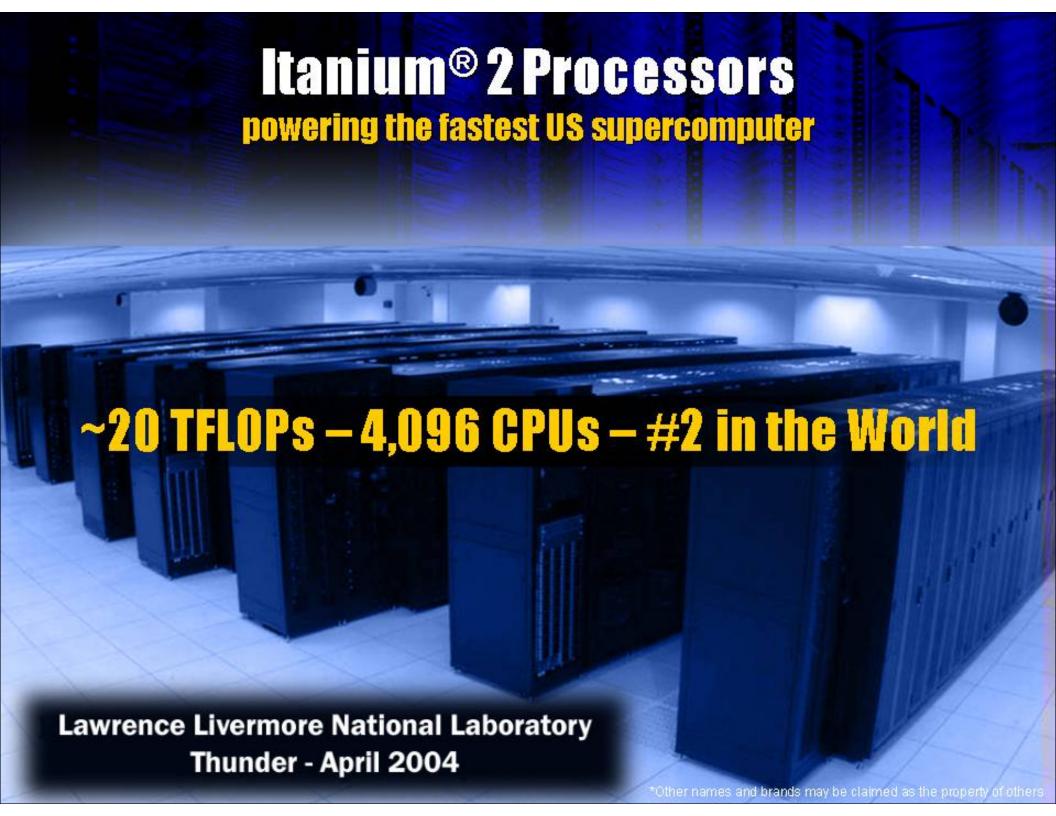


winning the enterprise

the **PLATFORM** advantage

2004 2005	POWER MANAGEMENT Demand- based Switching System Power Management	PERFORMANCE Dual Core HT Foxton	PLATFORM TECHNOLOGY PCI-Express DDR II FB-DIMM	RELIABILITY MCA Memory Mirroring Pellston Sparing ECC	VIRTUALIZATION ST VMM Support	64-bit porting optimized for EM64T & Itanium
2006+	Data Center Power Management	Multi-core Capacity On-demand	Common Platform	Lockstep	ST Gen 2	Enhanced Threading & dynamic optimization

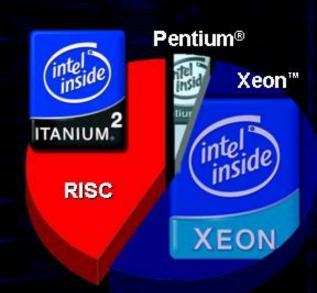
Technology differentiation achieved via R&D investment



Itanium® Processor Family building on SUCCESS

Si *Opportunity* to displace RISC

Up to \$2B TAM for RISC CPUs



Server CPU Rev. Opportunity 3

New Itanium Milestones

- 8 of 9 RISC vendors sell Itanium-based servers¹
- New price points: servers from \$2,100²
- >50% increase in apps & tools in past 6 mos. (>1,600)

New enterprise adoptions:

Morgan Stanley

- 1,000 systems (200 deployed)
- apps: simulations, databases



"Eventually one billion transistors, or electronic switches, may crowd a single chip, 1,000 times more than possible today."

National Geographic, 1982

Itanium® processor building on SUCCESS

"Eventually one billion transistors, or electronic switches, may crowd a single chip, 1,000 times more than possible today."

National Geographic, 1982

Montecito 1.7B transistors

Next Generation – Montecito

DC and Multithreaded: 4X performance increase
>3X increase platform bandwidth
Higher frequency, lower power
24MB Cache
2005 Introduction

winning the Enterprise with SOLUTIONS

1 vertical at a time

Transform industries as trusted advisors

- Business alliances, Ecosystem enabling
- Scale: >2K solutions/enabling heads, 1K partners to >3K EUs

'00-'03 Success: Finance & Manufacturing

- Top 10 Banks¹: 24% → 66% MSS
- Top 10 Manufacturing¹: 28% 62% MSS²

Next Focus

Healthcare, Government, Telco





winning EMERGING markets

Tremendous Intel revenue growth

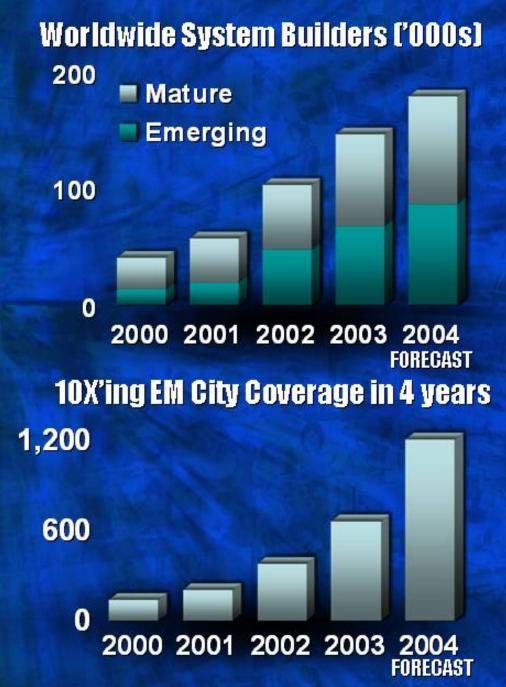
33% CAGR ('00 → '03)

But NOT at lower ASPs:

- Expect EM DT volume (as a % of Total DT) to grow 5 pts. ('02 → '04)
- but... DT CPU ASPs were ~ flat

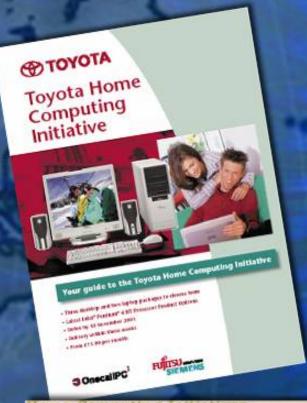
EMERGING MARKETS Turbo Program

- All product lines, all geos
- 1st mover leadership in Technology & Brand



EUROPE

Employee Purchase Programs
Potential 1.5M incremental PCs in 2004



BENELUX

EGYPT

FRANCE

HUNGARY

ROMANIA

SOUTH AFRICA

SPAIN

SWEDEN

TURKEY

UK

Home Computing Initiatives:

The best ke

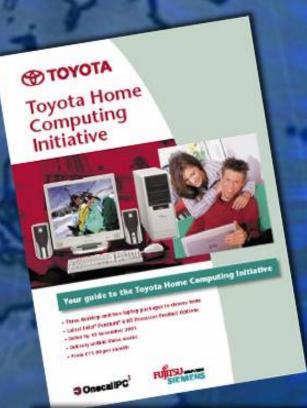
The best kept secret in cost-neutral employee benefits



*Other names and brands may be claimed as the property of others

EUROPE

Employee Purchase Programs
Potential 1.5M incremental PCs in 2004



Home Computing Initiatives:

The best kept secret in cost-neutral employee benefits

BENELUX

EGYPT

FRANCE

HUNGARY

ROMANIA

SOUTH AFRICA

SPAIN

SWEDEN

TURKEY

UK

ASIA "Citizen PC" Projects



THAILAND 2X PC penetration in 1 year

THAILAND & MALAYSIA Match-make



MALAYSIA "One Home, One PC" Project

NEXT: Laos, Indonesia, Viet Ham

growing MATURE markets enterprise

CLIENTS

Ignite I (2003): Clear success in driving corporate refresh

>10M incremental biz client units (15% YoY)

Ignite II: Scale thru industry alliances & increased focus in small biz

focus on increasing NB penetration

SERVERS

Expand Small & Large marketing; Launch "Medium" Campaign

Itanium[®] 2 & Xeon[™] Solutions marketing: Expand with ISVs & OEMs

Scale 25 New Itanium 2 "Blueprints": DB, BI, ERP, CRM, SCM...

growing MATURE markets

consumer: usage adoption & premium product demand generation

- 1. Mass media to generate pull
 - WW TV ('03) ~ \$1B in Intel related ads
 - Media companies alliances





- 2. Trial-based marketing
 - >2K event days ww;>1M hands-on trials
 - Increase purchase intent by ~63%¹

WINNING

MARKET SEGMENTS ARE CHANGING

Segmenting by platform, not by product Accelerating need for new "converged" capabilities

FOR INTEL, THIS WILL CREATE OPPORTUNTIES

- 1. New successes in adjacencies
- 2. Growth in existing businesses

WHY WE WILL WIN:

Standards always win over time... All technology moves towards "Moore's Law" Innovation, Scale and Reach





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