

Technologies Roadmap: Server and Workstation

2005

2006

2007

Processor



Dual Core
PowerNow!

Dual Core
Pacifica virtualization
Presidio security
Memory RAS

New core
Multi-core
Scale-up (32P+)
L3 Cache
Enhanced RAS
I/O Virtualization
HyperTransport™ 3.0

Chipset and Platform

PCI Express
Gigabit Ethernet
Serial ATA II
Software RAID 5
Hardware Firewall

PCI Express
Gigabit Ethernet
TCP Offload
Serial SCSI
Serial ATA II
Hardware RAID 5

HyperTransport 3.0
PCI Express 2
Gigabit Ethernet
TCP Offload
Serial SCSI
Serial ATA II
Hardware RAID 5
Fault Tolerant I/O



Technologies Roadmap: Workstation and Desktop

2005

2006

2007

Processors

Dual Core
Complete
64-bit offering

Pacifica virtualization
Presidio security
DDR2, Lower Power

New Core
Larger Caches
DDR3
HyperTransport™ 3.0

Performance (WS/Desktop)



SLI Graphics
RAID

DDR2
'Aero Glass' graphics
Pacifica virtualization
Presidio security
TPM

DDR3
HyperTransport 3.0
PCIe Gen II

HD Audio
GbE + WLAN

Mainstream Stable Platform



UMA +
PCIe Option

CSIP Managed
Platform

Blade PCs, Thin Clients



UMA, sub-30W
Low Noise Cooling
Custom FF

Sub-10W
DDR2
Pacifica virtualization
Presidio security, TPM

DDR3
HyperTransport™ 3.0



Technologies Roadmap: Mobile

2005

2006

2007

Processors



25W/35W/62W
TDP

64-bit Mobility

Dual Core
DDR2

25W/35W/62W TDP

Pacifica virtualization
Presidio security

New Core
DDR3

< 35W TDP
~ 60W TDP

Larger/Shared caches

Chipsets and Platform

PCI Express
DX9 UMA
High Def Audio
SATA
Integrated LAN
(10/100/GbE)
802.11 a/b/g

Microsoft® Windows®
Vista™ Ready UMA
SATA2/AHCI
Integrated WLAN
(802.11 a/b/g)
802.11n

Next Generation
Graphics

Next generation
wireless

