

At-a-glance Codename Decoder

Introduction

The following document is designed to help decipher publicly referenced product names and product codenames associated with the presentations at AMD Financial Analyst Day on Nov. 9th, 2010. Codenames are alphabetically listed and/or indicated in "".

"Antilles"

Market: Discrete GPUs

What is it? AMD Radeon™ HD 6000 Series graphics card for ultra-enthusiasts that

will feature two GPUs on one board. Planned for introduction: Q1 2011

APU

An APU is an accelerated processing unit, a new generation of processors that combine either low-power or high-performance x86 CPU cores with the latest GPU technology (such as DirectX® 11) on a single die.

Planned for introduction: Q1 2011

"Barts"

Market: Discrete GPUs

What is it? AMD Radeon™ HD 6800 series GPUs featuring AMD's second-generation Microsoft DirectX® 11-capable architecture, best-in-class energy efficiency, and a feature set including AMD Eyefinity multi-display technology.

Introduced: 2010

"Bobcat"

Market: Multiple devices, including notebooks ultrathins, HD netbooks and small form factor desktops.

What is it? A sub-one watt capable x86 CPU core that first comes to market in the "Ontario" and "Zacate" Accelerated Processing Units (APU) for mainstream, ultrathin, value, and netbook form factors as well as small form factor desktop solutions. "Bobcat" is designed to be an extremely small, highly flexible, out-of-order execution x86 core that easily can be scaled up and combined with other IP in SoC configurations.

Planned for introduction: Q1 2011

"Brazos"

Markets: Value Mainstream Notebooks, HD Netbooks and Small Form Factor Desktops

What is it? "Brazos" is AMD's 2011 low-power platform, available with two APUs; "Zacate" – currently planned to be marketed as the E Series – is an 18-watt TDP APU for ultrathin, mainstream and value notebooks as well as desktops and all-inones. "Ontario" – currently planned to be marketed as the C Series – is a 9-watt



APU for netbooks and small form factor desktops and devices. Both "Brazos" platform APUs include a DirectX® 11-capable GPU.

Planned for introduction: Q1 2011

"Bulldozer"

Market: Server and Client

What is it? A multi-threaded high-performance x86 CPU core contained in the "Zambezi" processor for client PCs and "Interlagos" and "Valencia" processors for servers. Included in the "Scorpius" enthusiast desktop PC platform and "Maranello," "Adelaide," and "San Marino" server platforms, "Bulldozer" is designed to be a completely new, high performance architecture that employs a new approach to multithreaded compute performance for achieving advanced efficiency and throughput. "Bulldozer" is designed to give AMD an exceptional CPU option for linking with GPUs in highly scalable, single-chip APU configurations. "Bulldozer" offers AMD another exceptional CPU option for combining with GPUs in highly scalable, single chip APU configurations, beginning in 2012 APU designs.

Planned for introduction: Client (1H 2011); Server (2H 2011)

"Cayman"

Market: Discrete GPUs

What is it? Second-generation $\mathsf{DirectX} \ \ \mathsf{\$}\ 11\text{-capable GPU to launch in the ``Northern$

Islands" family, will be branded AMD Radeon $^{\text{TM}}$ HD 69XX graphics processors.

Planned for introduction: O4 2010

"Champlain"

Market: Notebooks and Desktops

What is it? CPU for notebooks and desktops.

Introduced: 1H 2010

"Danube"

Market: Notebook

What is it? Mainstream notebook platform with DirectX® 10.1-capable IGP and DDR3 memory for high performance with optimum efficiency. Includes DirectX® 11-capable discrete graphics options. This platform will receive a refresh in the form of faster CPU speeds and updated capabilities for DirectX® 11 graphics during

Introduced: May 2010; refreshed platform to be introduced 1H 2011

"Interlagos"

Market: Server

What is it? 8-, 12- or 16-core 32nm server processor for 2P and 4P markets, based on the new "Bulldozer" processor core. Will carry the AMD Opteron™ 6200 Series processor brand and be supported by the AMD Opteron™ 6000 Series ("Maranello") platform for socket G34.

Planned for introduction: 2H 2011



"Komodo"

Market: Server and Performance Desktops

What is it? "Komodo" is AMD's next generation CPU and is primarily intended for servers and high-performance desktops. "Komodo" will feature next-generation "Bulldozer" CPU cores and, in desktop PC platforms, is designed to couple with DirectX® 11 GPUs to provide enthusiast-level system performance.

Planned for introduction: 2012

"Krishna"

Market: Notebook, HD netbook, tablet and desktop

What is it? Tablet, ultrathin, HD netbook and small form factor desktop APU based on next-generation "Bobcat" core architecture and supporting DirectX® 11 and DDR3 technology.

Planned for introduction: 2012

"Llano"

Market: Notebooks and Desktops

What is it? Part of the "Sabine" platform, "Llano" is a 32nm APU including up to four x86 cores and a DirectX® 11-capable GPU, primarily intended for performance and mainstream notebooks and mainstream desktops. "Llano" is engineered to deliver impressive visual computing experiences, outstanding performance with low power and long battery life.

Planned for introduction: Mid-2011

"Northern Islands"

Market: Discrete GPUs

What is it: AMD graphics cards branded as the AMD Radeon™ HD 6000 family. Based on 40nm process technology, feature AMD's second generation of DirectX® 11-capable GPU technology, AMD Eyefinity technology and tremendous power

efficiency.

Introduced: Q4 2010

"Ontario"

Market: Primarily ultrathin notebooks and HD netbooks

What is it? A 9W APU featuring dual or single "Bobcat" x86 cores currently planned to be marketed as the C Series, and primarily intended to serve the low power and highly portable PC markets for netbooks and small form factor desktops and devices.

Planned for introduction: Q1 2011



"Sepang"

Market: Server

What is it: Server CPU with up to 10 next-generation "Bulldozer" CPU cores targeting 2-way highly energy efficient and cost optimized Socket C2012 platforms. Complete with three-channel DDR3 memory and integrated PCIe Gen3 I/O.

Planned for introduction: 2012

"Terramar"

Market: Server

What is it? Server CPU with up to 20 next-generation "Bulldozer" CPU cores targeting the 2- and 4-way performance-per-watt and expandable Socket G2012 platforms. Complete with quad-channel DDR3 memory and integrated PCIe Gen3 I/O.

Planned for introduction: 2012

"Trinity"

Market: Notebooks and Desktops

What is it? "Trinity" is AMD's next generation APU and is primarily intended for mainstream and high-performance desktops and notebooks. "Trinity" will feature next-generation "Bulldozer" CPU cores and a DirectX® 11-capable GPU.

Planned for introduction: 2012

"Valencia"

Market: Server

What is it? Six- or eight-core 32nm processor for 1P and 2P markets, based on the new "Bulldozer" processor core. Will be branded as the AMD Opteron™ 4200 Series processor and will be supported by the AMD Opteron™ 4000 Series platform ("San Marino") or the ultra low-power "Adelaide" platform for socket C32.

Planned for introduction: 2H 2011

"Vancouver"

Market: Notebook

What is it? Next generation discrete GPU option for mainstream and high-

performance notebook segments. Planned for introduction: 1H 2011

"Wichita"

Market: Value Mainstream Notebooks, Ultrathins and HD Netbooks

What is it? APU for low-power form factors.

Planned for introduction: 2012



"Zacate"

Market: Notebook/Desktop

What is it? "Zacate" is AMD's 18W APU designed for the mainstream notebook and desktop market. Zacate will feature low-power "Bobcat" CPU cores and support

DirectX 11 technology.

Planned for introduction: Q1 2011

"Zambezi"

Market: Desktop

What is it? four-, six-, or eight-core 32-nm AM3 socket desktop processor based on

the "Bulldozer" processor architecture for the enthusiast market.

Planned for introduction: 1H 2011