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AMD Demonstrates Revolutionary 14nm FinFET Polaris GPU Architecture

The World's First Public Showcase of 14nm FinFET PC GPU Technology Promises More Than Double the Performance per Watt Over Previous Generations(1); Now Sampling to OEMs

LAS VEGAS, NV -- (Marketwired) -- 01/04/16 -- ***CES 2016 --*** AMD (NASDAQ: AMD) provided customers with a glimpse of its upcoming 2016 Polaris GPU architecture, highlighting a wide range of significant architectural improvements including HDR monitor support, and industry-leading performance-per-watt. AMD expects shipments of Polaris architecture-based GPUs to begin in mid-2016.

AMD's Polaris architecture-based 14nm FinFET GPUs deliver a remarkable generational jump in power efficiency. Polaris-based GPUs are designed for fluid frame rates in graphics, gaming, VR and multimedia applications running on compelling small form-factor thin and light computer designs.

"Our new Polaris architecture showcases significant advances in performance, power efficiency and features," said Lisa Su, president and CEO, AMD. "2016 will be a very exciting year for RadeonT fans driven by our Polaris architecture, Radeon Software Crimson Edition and a host of other innovations in the pipeline from our Radeon Technologies Group."

The Polaris architecture features AMD's 4th generation Graphics Core Next (GCN) architecture, a next-generation display engine with support for HDMI® 2.0a and DisplayPort 1.3, and next-generation multimedia features including 4K h.265 encoding and decoding.

AMD has an established track record for dramatically increasing the energy efficiency of its mobile processors, targeting a 25x improvement by the year 2020[2].

Supporting Resources

- See the new Polaris GPU architecture demo on YouTube
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- Learn more about Gaming with AMD

About AMD

For more than 45 years, AMD has driven innovation in high-performance computing, graphics, and visualization technologies -- the building blocks for gaming, immersive platforms, and the datacenter. Hundreds of millions of consumers, leading Fortune 500 businesses, and cutting-edge scientific research facilities around the world rely on AMD technology daily to improve how they live, work, and play. AMD employees around the world

are focused on building great products that push the boundaries of what is possible. For more information about how AMD is enabling today and inspiring tomorrow, visit the AMD (NASDAQ: AMD) website, blog, Facebook and Twitter pages.

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This press release contains forward-looking statements concerning Advanced Micro Devices, Inc. ("AMD"), including, the features and functionality of AMD's 2016 Polaris GPU architecture; the timing of shipments of Polaris architecture-based GPUs; that AMD's Polaris architecture will be based on a 14nm FinFET node; the features and functionalities of Polaris architecture-based GPUs, including performance and power efficiency benefits to help evolve and compress desktop PC form factors and acoustics and fuel thin-and-light notebooks; the future success and customer appeal of AMD Radeon™ graphics products planned for 2016, including products based on Polaris architecture; planned update of AMD Graphics Core Next architecture; and AMD's goal to improve energy efficiency of its mobile processors by the year 2020; which are made pursuant to the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. Forward-looking terminology including "believes," "expects," "may," "will," "should," "seeks," "intends," "plans," "pro forma," "estimates," "anticipates," or the negative of these words and phrases, other variations of these words and phrases or comparable terminology. Investors are cautioned that the forward-looking statements in this press release are based on current beliefs, assumptions and expectations, speak only as of the date of this document and involve risks and uncertainties that could cause actual results to differ materially from current expectations. Material factors that could cause actual results to differ materially from current expectations include, without limitation, the following: Intel Corporation's dominance of the microprocessor market and its aggressive business practices may limit AMD's ability to compete effectively; AMD relies on GLOBALFOUNDRIES Inc. (GF) to manufacture most of its microprocessor and APU products and certain of its GPU and semi-custom products. If GF is not able to satisfy AMD's manufacturing requirements, its business could be adversely impacted; AMD relies on third parties to manufacture its products, and if they are unable to do so on a timely basis in sufficient quantities and using competitive technologies, AMD's business could be materially adversely affected; failure to achieve expected manufacturing yields for AMD's products could negatively impact its financial results; the success of AMD's business is dependent upon its ability to introduce products on a timely basis with features and performance levels that provide value to its customers while supporting and coinciding with significant industry transitions; if AMD cannot generate sufficient revenue and operating cash flow or obtain external financing, it may face a cash shortfall and be unable to make all of its planned investments in research and development or other strategic investments; the loss of a significant customer may have a material adverse effect on AMD; global economic uncertainty may adversely impact AMD's business and operating results; AMD may not be able to generate sufficient cash to service its debt obligations or meet its working capital requirements; AMD has a substantial amount of indebtedness which could adversely affect its financial position and prevent it from implementing its strategy or fulfilling its contractual obligations; the agreements governing AMD's notes and its secured revolving line of credit (Secured Revolving Line of Credit) impose restrictions on AMD that may adversely affect its ability to operate its business; the completion and impact of AMD's restructuring plan announced in October 2015, its transformation initiatives and any future restructuring actions could adversely affect it; the markets in which AMD's products are sold are highly competitive; and uncertainties involving the ordering and shipment of AMD's products could materially adversely affect it. Investors are urged to review in detail the risks and

uncertainties in AMD's Securities and Exchange Commission filings, including but not limited to AMD's Quarterly Report on Form 10-Q for the quarter ended September 26, 2015.

[1] Testing conducted by AMD internal labs as of Dec 15, 2015 with AMD's previous "Hawaii" and "Bonaire" architecture based platforms and preliminary "Polaris" architecture based engineering sample. Systems tested with Intel i7-4770K with 8GB DDR3-1600 RAM, Driver 15.30 beta, Windows 10 64bit. POL-2

[2] Learn more at www.amd.com/25x20

Contact:
Chris Hook
AMD Communications
(512) 578-9727
Email Contact

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