Intel-Powered Devices Make a Splash at IFA 2015

Devices Powered by the New 6th Gen Intel® Core™ Processors Launched to Advance Computing Experience

Sept. 2, 2015 — Ahead of IFA Berlin, companies including Acer*, ASUS*, Lenovo* and Toshiba* unveiled products powered by the new 6th Gen Intel® Core™ processor. The 6th Gen Intel Core processor family is Intel's best processor ever, setting a new standard of computing with more than double the performance[1], triple the battery life[2], and even better graphics[3] for seamless and smooth gaming and video experiences when compared to the computers many people currently own. Mobile devices were also launched ahead of IFA based on Intel® Atom™ processors. With these powerful new devices coming to market, there has never been a better time to buy a PC or mobile device.

Powered by 6th Gen Intel Core Processor

Acer
- **Aspire R 13*:** Providing flexibility with a variety of usage modes, this 2 in 1 convertible enables a fast, productive and versatile user experience thanks to the 6th Gen Intel Core processor as well as Thunderbolt™ 3, providing data transmission speeds of up to 40 Gbps.

- **Predator 15 & 17*:** Featuring Predator SoundPound* and the PredatorSense* gaming control panel, these notebooks deliver a stellar audio experience and immersive entertainment, while staying cool with optional triple fan support, and allow users to optimize bandwidth usage.

- **Aspire V Nitro Series (15 & 17)*:** The new line of notebooks feature a neat-cut corner design and breakthrough slot-antenna, which enables 360-degree wireless coverage with no dead zones. The latest Thunderbolt 3 and 6th Gen Intel Core processor offer a seamless computing experience.

- **Aspire V 13*:** Designed for portability and offering up to eight hours of battery life, users can stay unplugged for a full workday while remaining connected to friends and colleagues with the notebook's CrystalEye* HD webcams and Skype* for Business certification.

- **Aspire U5 Series*:** With the combination of the 6th Gen Intel Core processor, Intel® RealSense™ Camera and Windows 10*, as well as features including full HD IPS display, VisionCare* technology, Acer TrueHarmony* and Dolby* Digital Plus Home Theater, this All-in-One PC provides an intuitive computing experience.

- **Predator G3 & G6*:** With a combative armor-covered design that features Growl Lights*, one-punch overclocking and an IceTunnel* thermal cooling system, these desktop towers enable advanced computing potential.

ASUS

- **Zenbook UX303UB*:** This thin, light and powerful notebook comes in several chic colors and is powered by the 6th Gen Intel Core processor with discrete GPU enabling ultimate performance.

- **Zen AiO S (Z240 &Z220)*:** These beautiful, high-performance All-in-One PCs are based on the latest 6th Gen Intel Core processor technology and is a true masterpiece for the home or office with its elegantly textured aluminum body, integrated stand and exclusive Icicle Gold finish. These All-in-One PCs enable immersive audio, stunning graphics and extreme computing power thanks to the 6th Gen Intel Core processor.

- **Vivo Mini PC (UN65H & VC65)*:** Based on the 6th Gen Intel Core processor, the Vivo Mini PCs are mini desktop powerhouses. The UN65H provides enhanced processing, graphics and storage capacities with fast dual-band 802.11ac. The VC65 offers RAID support.

- **Republic of Gamers* Devices:** Heading the 6th Gen Intel Core processor-powered Republic of Gamers (ROG) product lineup is GX700, the world's first water-cooled gaming laptop, which provides 4K video and exceptional CPU overclocking technology for incredible gaming performance. The ROG G752 is the world's first gaming laptop with backlit anti-ghost keys, and the ROG G20C enables smooth gameplay in 4K/UHD. Finally, the G11CB is a gaming desktop also powered by the 6th Gen Intel Core i7 processor. The GX700 and G752 also have Thunderbolt 3, delivering fast, versatile connection to any dock, display, or data device.

- **TP300UA/Transformer*:** This 6th Gen Intel Core i7 processor-based laptop with 360-degree rotating touch screen allows users to instantly switch between laptop, tablet and everything in between.

Lenovo

- **ideapad™ Y700*:** This laptop offers power and portability for gamers on-the-go, combining the 6th Gen Intel Core processor, discrete graphics and optional touch or Intel RealSense Camera on the 15- inch laptop.

- **ideapad™ MIIX 700*:** With its unique dual watchband hinge, this 2 in 1 with keyboard folio opens the door for new and disruptive ways to work and play, offering a seamless transition between laptop, stand and tablet modes, while also featuring the Intel RealSense Camera for a more immersive computing experience.

- **ideacentre™ Y900 & Y700*:** These desktops offer a wide range of choice in a sleek, edgy design for busy gamers who demand hassle-free performance with Windows 10 and the 6th Gen Intel Core processors.

- **ideacentre™ AIO 700*:** This powerful 6th Gen Intel Core processor-based desktop with a stunning 27-inch UHD 10-point multi-touch

display comes equipped with JBL* stereo speakers, discrete graphics and the Intel RealSense Camera.

- **ideapad™ 300 & 500*:** Up to 33 percent thinner than three years ago, these signature laptops take portability to the next level while enabling lightning-fast Wi-Fi speed for seamless gaming and video viewing, as well as new video chatting features thanks to the Intel RealSense Camera and optional JBL speakers. Debuting with their even thinner and lighter cousins, the ideapad* 100S, 300S and 500S are designed for those on the move.

- **ThinkPad E Series*:** Ideal for small businesses, these laptops and desktops offer the perfect balance of performance and design, delivering productivity and style for value-conscious companies, as well as optional features such as the Intel RealSense Camera.

- **ThinkPad YOGA 260 and 460*:** Powered by the 6th Gen Intel Core processor, the ThinkPad YOGA 260 and 460 are the world's first convertible notebooks that incorporate an LTE-Advanced (LTE-A) wireless WAN option.

- **ThinkCentre M900 Tiny*:** Running on the 6th Gen Intel Core processor, this ultra-small desktop offers customers ways of maximizing desk space without compromising performance, as well as manageability solutions designed to reduce total cost of ownership and simplify workload on support services.

Toshiba

- **Toshiba Satellite Astrea*:** Thin and ultra-lightweight, this 2 in 1 convertible includes a 4K ultra HD screen and takes full advantage of the combined capabilities of 6th Gen Intel Core processors and Windows 10.

Powered by Intel Atom Processor

Acer

- **Predator 8 GT-810*:** With realistic visuals, virtual surround sound and tactile feedback via Predator TacSense*, game play becomes immersive and graphically rich on this Android* gaming tablet based on the Intel Atom x7 processor.

- **Switch 10 E and 10 V*:** Powered by the Intel Atom x5 processors, Switch 10 E and 10 V offer great graphics and performance for gaming with high-power efficiency. The magnetic latch-free Acer Snap Hinge 2 supports easier alignment and effortless transition between four modes: notebook, tablet, tent and display.

ASUS

- **ZenPad S 8.0, ZenPad 8.0 and ZenPad 10*:** These elegant and powerful Android tablets include built-in DTS-HD Premium Sound* and interchangeable covers for the ZenPad 8.0, including an Audio Cover that adds 6-speaker, 5.1-channel surround sound.

- **ZenFone Zoom*:** Applauded as the world's thinnest smartphone, the Zoom features a camera with three times optical zoom capability and a 10-eleman lens, as well as the power and performance of the 64-bit 2.5 Ghz quad-core Intel Atom Z3590 processor with 4GB of dual

channel DDR2 RAM. The ZenFone 2 Deluxe is the world's first 4GB RAM smartphone. Powered by a quad-core Intel Atom Z3580 processor, the Deluxe features a 13MP PixelMaster Camera with 400 percent better HDR and low-light photography capabilities.

- **VivoStick PC*:** A revolutionary device, this ultra-miniature compute stick turns any HDMI-enabled TV or monitor into a fully functional Windows 10 PC, which can be controlled remotely from a smartphone. Based on the Intel Atom processor, it provides enhanced processing, graphics and storage capacities for sharp 4K/UHG visual, lightning-fast dual-band 802.11ac and RAID support.

Lenovo
- **YOGA Tab 3 Pro*:** Powered by the Intel Atom x5 processor, the video tablet boasts a JBL* sound bar with 4 front–facing speakers, Dolby Atmos* technology and [a better optimized projector](#) that enables users to beam life-sized images onto a wall, projecting bright, cinematic pictures up to 70 inches wide.

Powered by Intel® Celeron® and Intel® Pentium® Processors

Acer
- **Chromebook R 11*:** With an innovative 360-degree hinge design and HD IPS touch screen, the device supports versatile activities for both work and play.

- **Revo Build Series (M1-601)*:** Taking a modular approach, this mini PC, available with both Intel® Celeron® and Intel® Pentium® processors, allows consumers to customize their computer by adding on individual features including Wireless Power Bank, external hard disk drives and Voice Blocks.

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[1] 6th Gen Intel Core i5-6200U (43WHr batter size) to a 5 year old PC based on Intel Core i5-520UM (62WHr battery size): 2.5x better performance (SYSmark*2014)
[2] 6th Gen Intel Core i5-6200U (43WHr batter size) to a 5 year old PC based on Intel Core i5-520UM (62WHr battery size): 3x better battery life (Windows* 10 on i5-6200U and Windows 7 on i5-520UM)
[3] 6th Gen Intel Core i5-6200U (43WHr batter size) to a 5 year old PC based on Intel Core i5-520UM (62WHr battery size): 30x better graphics performance (3D Mark Cloud Gate graphics test sub-score).

Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors.

Performance tests, such as SYSmark and MobileMark, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information

and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products.   For more complete information visit http://www.intel.com/performance.

Results have been estimated or simulated using internal Intel analysis or architecture simulation or modeling, and provided to you for informational purposes. Any differences in your system hardware, software or configuration may affect your actual performance.

Warning: Altering PC clock or memory frequency and/or voltage may (i) reduce system stability and use life of the system, memory and processor; (ii) cause the processor and other system components to fail; (iii) cause reductions in system performance; (iv) cause additional heat or other damage; and (v) affect system data integrity. Intel assumes no responsibility that the memory, included if used with altered clock frequencies and/or voltages, will be fit for any particular purpose. Check with memory manufacturer for warranty and additional details.

All products, dates, and figures specified are preliminary based on current expectations, and are subject to change without notice.

SYSmark* 2014 is a benchmark from the BAPCo* consortium that measures the performance of Windows* platforms. SYSmark tests three usage scenarios: Office Productivity, Media Creation and Data/Financial Analysis. SYSmark contains real applications from Independent Software Vendors such as Microsoft* and Adobe*.

WebXPRT* 2015 is a benchmark from Principled Technologies* that measures the performance of web applications using six usage scenarios: Photo Enhancement, Organize Album, Stock Option Pricing, Local Notes, Sales Graphs and Explore DNA Sequencing. WebXPRT tests modern browser technologies such as HTML5 Canvas 2D, HTML5 Table, HTML5 Local Storage, HTML5 Web Workers, AES encryption, DOM in addition to JavaScript*.

3DMark* is a benchmark from Futuremark* that measures DX* 9 / OpenGL* ES 2.0, DX 10 and DX 11 gaming performance. There are four main tests: "Ice Storm" for DX 9 / OpenGL ES 2.0, "Sling Shot" for OpenGL ES 3.0/1, "Cloud Gate" for DX 10, "Sky Diver" for DX11 and "Fire Strike" for DX 11 graphics.

Battery life and performance measurements on Intel Reference Platform.

Intel Reference Platform is an example new system. Products available from systems manufacturers will not be identical in design, and performance will vary.

Intel CRB, Intel® Core™ i5-6200U, PL1=15W TDP, 2C4T, Turbo up to 3.4GHz/3.2GHz, Memory: 2x4GB DDR4-2133, Storage: Intel SSD, Display Resolution:1920x1080. Graphics driver: 15.40.4225

Intel® Core™ i5-520UM processor (up to 1.86 GHz, 4T/2C, 3M cache) on Acer Aspire One* 1830T-3721:18W thermal design power. BIOS: Insyde v.1.11*, Graphics: Intel HD Graphics (driver v. 8.15.10.2104), Memory: 8 GB (2 x 4 GB) DDR3 1333 Mhz, HDD: Seagate* 500 GB, OS: Windows* 7, Battery size: 62 Wh.