



News Fact Sheet

Intel Delivers New Experiences at CES 2014: Intel Booth #7252 Demo Highlights

Jan. 7, 2014 – During the 2014 International Consumer Electronics Show (CES) in Las Vegas, Intel Corporation is showcasing several technologies that change the way people work, learn, play and live. On display at Intel's booth (#7252) are new digital experiences via tablets, 2 in 1s, and portable all-in-one PCs (AIO PC), the latest innovations in wearable technology, new interface technologies such as touch and gesture to empower improvements in how we interact with computing devices, the Internet of Things through the lens of the connected car and security solutions that provide a more seamless way to protect your personal information.

Here is a summary of some of the must-see demonstrations in the Intel booth:

New Interactive Installation: “Frames”

Frames is a new interactive installation for visitors to experience the versatility and performance of 2 in 1s with Intel Inside®. The experience features augmented reality through many 2 in 1 devices.

In addition, people can take their 2 in 1 experience to the next level with *Leviathan*, an experimental storytelling platform where people and technology play together on the borders between physical and virtual worlds.

Leader in Versatility and Functionality: 2 in 1 Devices

The Intel experience at CES this year is driven by technological innovation across various industries. In the personal computing space, 2 in 1 devices demonstrate some of the most remarkable elements of this innovation, available right at your fingertips. 2 in 1 devices are optimized for great workplace productivity, compatibility, and mobility and are also a great solution in the learning environment and in the home. Beyond the productive power of these machines in laptop-mode, converting them to tablet-mode will take users to new heights of entertainment. 2 in 1 devices adapt to you, so that you can work when you need to and play when you want to.

Technology Highlights: 2 in 1 devices, Intel® Core™, Intel® Atom™ and Microsoft Windows* 8.1.

Enabling Innovation at Scale for Internet of Things and Wearables

Intel developed a reference design for smart earbuds that provide full stereo audio, and monitor heart rate and pulse, while the applications on the user's phone keep track of run distance and calories burned. The product also includes Intel-developed software that enables users to precision-tune workouts and acts as a coach, automatically selecting music that matches the target heart rate profile. In addition, Intel designed the product in such a way that eliminates the

need for a battery or additional power source to charge the product, as it harvests energy directly from the audio microphone jack.

Intel has also been enabling innovation throughout the ecosystem with our technologies. With the introduction of Intel® Galileo – the first in a family of Arduino*-compatible development boards based on Intel® Architecture – Intel provides tools for large numbers of innovators in education and in the growing maker community. CES visitors will see early experiments of tinkerers working with the Galileo development board in addition to products being developed with Intel® Edison – the company’s latest innovation-enabling platform for the Internet of Things and wearable technologies. One example of the innovations Intel Edison is enabling is the smart baby onesie (Mimobaby) from Rest Devices*, which monitors baby’s vitals and analyzes the data for parents. With Intel Edison, all the functionalities of the onesie were able to fit into a ‘turtle’ (sensors plus mini-PC of a size of a baby’s hand) that is attached to the onesie.

Technology Highlights: Intel Smart Ear Buds, Intel Galileo, Arduino, Intel Edison, Mimobaby

Tablets with Intel Inside

From multitasking and productivity to entertainment, tablets powered by Intel Atom processors deliver great experiences. Tablets with Intel Inside possess great performance, mobility, battery life, connectivity, and best-in-class business and education productivity experiences. This demo shows a wide variety of experiences ranging from visually stunning entertainment and media, content creation, games, virtual try-on applications, office productivity and education apps, and handwriting recognition all in one sleek, portable device.

Technology Highlights: Intel Atom-powered tablets with Windows 8.1 and Android*.

Bringing Your Tech to “Life” with Intel® RealSense™

Intel is making computing more immersive and enabling human-like natural interactions with Intel RealSense technology, a new family of hardware and software products from Intel and its partners for a wide range of Intel-based devices. Visitors will be able to experience how devices that mimic human perceptive senses will blend the real and virtual world to make our experience with computing natural and immersive. Demonstrations show how Intel RealSense technology will respond to us more naturally as humans, change how people create music, interact with books to enhance learning and edutainment, play 3-D games with 3-D input to make gaming and play more immersive and allow people to augment reality and then play with it.

Technology Highlights: 2 in 1s, tablets, AIO PCs, Ultrabooks, Intel RealSense technology, Nuance Dragon, 3-D depth cameras.

Securely Un-Wire All Day

We live in a world surrounded by the latest and greatest technologies and prefer constant connectivity. Because of this, we are concerned about power, battery life, security and protection. Check out the multi-screen multitasking capabilities of Intel® Wireless Display along with other secure tools such as McAfee® Central, LiveSafe and Personal Locker. These technologies work together to give you the freedom of all-day battery life, worry-free security solutions and simple ways to wirelessly share your media with friends and family on the big screen.

Technology Highlights: McAfee Central, LiveSafe and Personal Locker, Intel Wireless Display, WiFi.

Ultimate Gaming Machines

Intel-powered devices are productive powerhouses in the workplace. The computing performance, responsiveness and crisp graphics that make these devices ideal for business, also make them perfect for gamers. This demo features a full spectrum of games highlighting Intel processors and graphics on a wide range of mobile devices from smartphones to gaming laptops playing games in Ultra HD resolution. On display will be the Batman Arkham Origins playing in Ultra HD (4K at 3840 x 2160 resolution).

Technology Highlights: Intel Core and Intel Atom processors, 2 in 1 devices.

Immersive Gaming

Intel's vision is to make computing more natural, intuitive and immersive. This demo showcases a new immersive gaming experience, including a next-generation virtual reality headset called Oculus Rift. The immersive game EVE: Valkyrie* is powered by small form factor gaming desktops featuring an Intel 4th generation Core processor. Intel architecture packs incredible performance while utilizing less power, enabling incredible battery life in thinner and smaller form factors than ever experienced before. While wearing the headset, players see the game in 1080p high-definition display with position tracking, and feel as though they have jumped into it. Their head also becomes the controller. They can move around in all directions to see their environment and people can use eyes to hit targets. It's one of the most immersive 3-D gaming experiences available.

Technology Highlights: Intel Core processor

High-Definition 4K Video Playback Intel-Based 2 in 1 Device

“4K” is all over CES this year, and with a 4th generation Intel Core processor in your 2 in 1, you have the performance to really supercharge how your movies look when played on a 4K-capable big-screen TV. The amazing detail, stunning image quality and color are made possible by the 4th gen Core processor and Intel HD graphics working seamlessly together to decode and send the Ultra HD images to the big screen. This is being demonstrated on a state-of-the-art Sony Vaio Fit 2 in 1.

Technology Highlights: High-definition 4K video, 4th generation Intel Core processor, Intel HD graphics.

Thunderbolt 2 Devices

New Thunderbolt 2 products are being shown publicly at CES for the first time, including the 4th generation Intel Core-based HP ZBook– connected to a LG UM95 display and Lacie Little Big Disk 2 Thunderbolt 2 storage device. The Lacie device uses two Samsung PCIe SSDs for maximum performance in a portable device. Thunderbolt 2 runs at 20Gbps bidirectional, and enables 4K video file transfer and display simultaneously. It uses the same cables and connectors, and works with existing Thunderbolt PCs and devices and there are now more than 130 Thunderbolt-certified peripheral devices on the market today. New usages such as docks, displays, dongles, palm drives, and other portable storage were shown at CES and planning to go to market soon.

Technology Highlights: Thunderbolt 2 technology, Intel 4th gen Core processor, high-definition 4K video.

Intel Technology in the Driver's Seat

Intel is driving the latest technology innovations into the fast lane, with two new cars, the BMW i3* and the Infiniti Q50* enhanced with Intel Inside. Intel technology is used in the BMW's professional navigation system, part of BMW ConnectedDrive, for all its vehicle models, including the future iSeries models. With Intel technology, BMW ConnectedDrive has the processing performance to deliver a compelling experience to the driver and passengers, including a rich display screen interface and quicker response times when interacting with the applications, such as fast route calculation in complex navigation maps.

Intel is also powering the all-new Infiniti InTouch™ in-vehicle infotainment (IVI) system featured in the Infiniti Q50. With Intel technology, the Infiniti InTouch system has the processing performance to deliver a rich experience to the driver and passengers, such as high-end graphics on the touch-screen displays. The Infiniti InTouch system is the first system to feature the Intel logo on the start-up screen.

Technology Highlights: BMW ConnectedDrive, Infiniti InTouch, in-vehicle infotainment (IVI) system, connected cars.

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