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News Fact Sheet

Note to Editors: Multimedia is available at http://www.intel.com/pressroom/kits/classmatepc.

The New Intel-powered Clamshell Classmate PC

September 14, 2010 – Seeing the challenges in the classroom today, based on specific research findings, Intel improved the clamshell classmate PC with increased battery life, improved ruggedness, better water resistance and additional anti-microbial protection providing additional value to learning and classrooms around the world. The newest Intel-powered clamshell classmate PC joins the convertible classmate PC design as part of the Intel® Learning Series to provide classrooms around the world with a wide selection of purpose-built solutions for education tailored to meet their needs. PC manufacturers around the world will design their products based on this design for their local markets.

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The benefits of the new clamshell classmate PC include:

- Increased battery life of up to 8.5 hours (with six-cell lithium-ion battery and 32G SSD[1])
  - Students are now using PCs in more classes and frequently need to use them all day long; teachers and schools face a challenge of how to keep the systems charged
  - Emerging markets, in particular, face this challenge as they often do have not enough power outlets
  - Intel used various technical innovations in motherboard design and battery technology, such as using an energy-efficient system design that minimizes power consumption and using increased battery density, to increase battery life so students may be able to work up to 8.5 hours on a single charge
  - The increased battery life facilitates increased usage in the classroom and can reduce disruptions of the classroom flow, since teachers are less likely to have to resort to teaching without the computer or stopping to allow students to plug-in computers
  - The new clamshell classmate PC runs on the latest Intel Atom processor which is based on 45nm Hi-k next generation Intel® Core™ microarchitecture, which provides performance with power efficiency
- Improved ruggedness enhances protection from drops from desk heights (up to 70cm) and from stacking and dropping the laptop in backpacks and bags
  - Children can be tough on technology and many schools often purchase separate aftermarket protective cases to protect the laptops
  - Laptops are placed in backpacks or bags that are filled with heavy books and consequently often get banged around; in the classroom, dropping the laptop is a routine occurrence from tripping on cords or from a desk cluttered with other books and school materials
  - To enhance the overall ruggedness, Intel used technologies such as having a round corner design to improve protection from all angles, an easy-to-grasp handle to reduce dropping, a special hard disk drive rubber cage that reduces impact from physical shocks and vibration and a special LCD rubber protection to minimizes the impact from drop and fall accidents

    - Ruggedness of the latest clamshell classmate PC design was improved by incorporating crush zones and additional air cushions around more fragile area such as corners and screen to allow better protection from shock and vibration.
    - Rubberized surface of the design better withstands daily wear and tear by students. Schools and parents can benefit from reduced maintenance costs and not having the need to purchase separate protective cases
- Water -resistant keyboard can protect against accidental liquid spills and water-resistant screen, touchpad and keyboard (C-face) of the netbook
    - Students often place beverages or conduct science experiments next to technology, increasing the likelihood of spills
    - Intel enhanced the water resistance of the C-face and the entire system to mitigate spills and damage from liquid contact
    - Intel was able to enhance the water resistance of the C-face by focusing on innovations such as using sealing material to fill the gap between buttons and keys, using two draining holes at the bottom and a water channel around the keyboard bottom to enable quick flow-out of water
    - The new clamshell classmate PC can withstand a spill of 100cc of liquid, or approximately half the contents of a juice box
    - The improved water resistance strengthens the value of the platform as more robust in environmental conditions kids frequently create
- Antimicrobial coating on the C-face can protect children using the classmate PC against microorganisms
    - The high-touch surface of the touchpad and keyboard are particularly susceptible to harboring microorganisms, causing odors and stains that are readily transmitted to successive users (students and teachers)
    - Intel worked to improve the antimicrobial coating on the high-touch surface of the laptop; the coating enhances the user experience for students, teachers and parents
    - The antimicrobial coating helps protect the classmate PC from bacteria, mold, mildew, fungi, algae and yeast by creating a surface that retards the growth and colonization of microorganisms
    - The antimicrobial coating helps create a healthier and cleaner classroom, reducing the likelihood that students are infected by laptops shared by multiple students, especially during the winter cold and flu season

Intel collaborates with a wide network of vendors to develop and deliver education technologies that support and optimize Intel-powered classmate PCs

- Through the Intel® Learning Series, Intel collaborates with local hardware, software and peripherals vendors to catalyze innovation and optimal compatibility at the development stage
- More than 300 vendors, including hardware vendors, operating system vendors, software vendors and enterprise solutions providers are developing applications, peripherals and services optimized for Intel-powered classmate PCs
- The Intel® Learning Series is now in 60 countries, offering marketing tools, training, online exposure and a forum for vendors to share resources and find common opportunities

Additional information about classmate PC is available at www.intel.com/intel/worldahead/classmatepc/ and http://www.intellearningseries.com.

About Intel

Intel (NASDAQ: INTC), the world leader in silicon innovation, develops technologies, products and initiatives to continually advance how people work and live. Additional information about Intel is available at www.intel.com/pressroom and blogs.intel.com.

-- 30 --

[1]Measured on Intel® Atom™ processor N455 1.66GHz/512K L2, DDR3 2GB, 32G SSD, Windows 7 Professional, six-cell lithium-ion battery system by Mobile Mark 2007 (Productivity) with 60nits LCD brightness, wireless LAN on and audio on.

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