

Product Brief  
The Classmate PC  
powered by Intel

## Second Generation Intel-powered Classmate PCs: Effective Learning Devices for Young Students



The second generation Intel-powered classmate PC is a mobile personal learning device for primary students in emerging markets. Developed specifically to enhance teaching and learning, classmate PCs engage children with “real PC” performance in a rugged, kid-friendly design. Classmate PCs come with practical, education-oriented features that improve the learning experience for students, teachers, parents, and schools.

### **A classmate PC is:**

An effective personal learning device for primary students in emerging markets

- Serves as individual learning assistant, enhancing learning through fun, collaboration and interaction
- Engages children with a colorful, compact, and ergonomically friendly design
- Is rugged, durable, and lightweight for children’s day-to-day use

### **A robust, customizable solution with “real PC” capabilities and practical, education-oriented features**

- Complete hardware and software solution for student-centered, teacher-guided learning
- Features enhance the experience for students, teachers, parents, and schools
- Education-oriented content and access to a world of information, applications, and services
- Flexible solution and deployment model that supports local economies
- Features a hardware-based theft deterrent mechanism to reduce theft

### **One element of Intel’s worldwide sustainable information and communications technology (ICT) program development in emerging markets**

- Over 200 digital inclusion programs in more than 60 countries are reaching over 10 million people a year with PCs and Internet connectivity
- Trained over 4 million teachers in over 40 countries through the Intel® Teach Program
- Committed to train 9 million more teachers around the world by 2011
- Developed award-winning skool™ technology

# Enhancing the Teaching and Interactive Learning Experiences

“The classmate PC brings together students and teachers in an interactive learning experience. We have seen students come alive with excitement as they discover the world beyond the walls of their classroom.”

Lila Ibrahim,  
GM Emerging Markets Platform Group

- The second generation Intel-powered classmate PC brings the full value of PC technology to help students and educators in primary and secondary schools by assisting in the learning process.
- With students using a classmate PC in class, a teacher can make presentations, guide students' access to the Internet, deliver specific controlled content, and interact individually with students and parents.
- The included education applications integrate with other non-computing learning tasks such as note-taking and handwriting by utilizing digital pen attachments.
- Based on a full x86 compatible Intel® processor, the classmate PC benefits from the wide availability of other standard software and tools for additional needs and uses.

## Recommended usage of the second generation Intel-powered classmate PC:

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### Student Usage

The solution can improve the student's learning experience through innovative, interactive content widely available worldwide as well as from local content providers. The classmate PC helps to facilitate collaboration with fellow students and teachers, which promotes the creation of group activities and enhances the fun of the learning experience.

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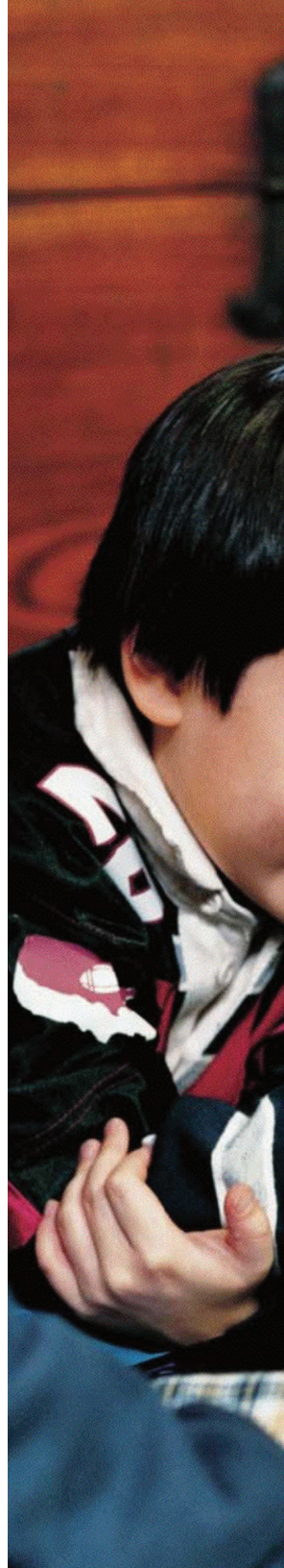
### Teacher-Student Collaboration Usage

The solution improves many of the time-consuming activities teachers must perform in their day-to-day school activities, including lesson preparation, administering class tests, controlling computer-induced distractions, sharing rich-media content, and providing feedback on students to school administration and parents.

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### Teacher-Parent Collaboration Usage

The solution helps parents keep a close tab on their children by accessing feedback from teachers and facilitating parent-teacher communication. It also offers parents a tool for coaching their students.







## “Real PC” Capabilities and Education-Oriented Features

### System configuration of the second generation Intel-powered classmate PC

|                    |   |
|--------------------|---|
| Chassis            | Customized Mini Chassis 238x195x42mm  |
| Processor          | Intel® Mobile Processor ULV 900 MHz   |
| Chipset            | Intel® 915GMS   |
| Memory             | DDR-II 256M (Linux only) or 512M SO-DIMM  |
| LCD                | 7"/9" 800x480 Color LCD   |
| Storage Device     | 1GB (Linux only)<br>2GB, 4GB NAND Flash<br>30GB HDD   |
| Audio              | Stereo 2 Channel Audio, Built-in Speakers and Microphone, Jack for External Output and Microphone Input |
| LAN/WLAN           | 10/100M Ethernet + WLAN 802.11 b/g w/ Antenna, full MESH 802.11s support                                |
| Keyboard/Touch Pad | Water-resistant Integrated Keyboard with Hot Keys Cycle Touch Pad with Left and Right Buttons           |
| Camera             | One-click deployment and locking camera option, Integrated 30fps @ 640x480, 0.3M                        |
| Power Solution     | Battery with Adapter—4/6 cell option—approximately 3.5/5 hours usage                                    |
| OS                 | Windows* XP Pro / Linux*  |
| Security           | Hardware-based theft deterrent  |

# Fulfilling the Needs of Students and Educators

## Features and Benefits of a Second Generation Intel-Powered Classmate PC

| Audience        | Students  | Parents   | Teachers   | School Staff  | Policy Makers   | Computer Integrator  |
|-----------------|---|---|--|---|---|--|
| <b>Benefits</b> | <ul style="list-style-type: none"> <li>Learn educational content on latest technology</li> <li>Learn computing environment</li> <li>Personal usage</li> <li>Age-appropriate form and look</li> <li>New social environment</li> <li>Protected from having laptop stolen</li> </ul> | <ul style="list-style-type: none"> <li>Control when/ where student can use PC</li> <li>Learn technology along with child</li> <li>Supports continued parental home involvement</li> </ul> | <ul style="list-style-type: none"> <li>Cutting-edge teaching experience</li> <li>Professional pedagogical growth</li> <li>Management of classroom</li> <li>Easily distribute digital content</li> </ul>      | <ul style="list-style-type: none"> <li>School differentiator</li> <li>Highest quality &amp; credibility with Intel</li> <li>Easy to standardize across multiple sites</li> <li>Laptops safe from theft</li> </ul> | <ul style="list-style-type: none"> <li>Enhances the foundation for continued future economic growth</li> <li>Speeds crossing of the digital divide</li> </ul> | <ul style="list-style-type: none"> <li>Easy to install/ configure Software</li> <li>Leverage Intel's comprehensive support structure</li> <li>Customizable platform</li> </ul> |
| <b>Features</b> | <ul style="list-style-type: none"> <li>Student group learning</li> <li>Individualized learning</li> <li>Learning assessment</li> <li>Access to digital resources</li> </ul>   | <ul style="list-style-type: none"> <li>Access management software</li> <li>Features to monitor when and what child can do and access</li> </ul>   | <ul style="list-style-type: none"> <li>Classroom collaboration software</li> <li>Share teacher screen with class</li> <li>Distribute quizzes</li> <li>Control all PCs in classroom simultaneously</li> </ul> | <ul style="list-style-type: none"> <li>Sustainable locally based ecosystem</li> <li>Low-cost implementation</li> <li>Modest volume requirements</li> </ul>  | <ul style="list-style-type: none"> <li>Student focus 1:1 eLearning devices</li> <li>Flexible, widely implementable solution to digital inclusion</li> </ul>   | <ul style="list-style-type: none"> <li>Automated scripts for installations</li> <li>Local support staff</li> <li>Hardware security and theft deterrent features</li> </ul>     |

For more information, visit: [www.classmatePC.com](http://www.classmatePC.com), or [www.intel.com/go/classmatePC](http://www.intel.com/go/classmatePC)

For sales information, contact your Intel Authorized Reseller

