



Product Brief
Intel-powered classmate PC

Second-Generation Intel-Powered Classmate PCs: Purpose-Built Netbooks for Education



Intel-powered classmate PCs are purpose-built netbooks designed specifically to meet the educational needs of young students and create new possibilities. They are based on reliable Intel® architecture and Intel® mobile processors, and feature enough memory and storage to run real-world applications.

With built-in wireless connectivity, you can connect to hundreds of Web-based applications for learning, work, and play. These ultra-compact, affordable, easy-to-carry laptops are child-friendly and stand up to rugged conditions. With durable, drop-proof construction, a sturdy case, water-resistant keyboard, and a carrying handle, they help students stay connected to a world of learning.



Closing the digital divide.

UNESCO estimates that only 5 percent of the world's 1 billion¹ primary and secondary school children currently have access to PCs. Results of Intel's efforts to reduce the digital divide in education include:

- Over 5 million teachers in over 40 countries have been trained through the Intel® Teach Program, a professional development program that helps classroom teachers effectively integrate technology to enhance student learning.
- Over 200 digital inclusion² programs in over 60 countries that reach over 10 million people a year.

"It is not easy to leave behind our ideas and methodology and adapt to the learning style of the children. It is a challenge. But it is also beautiful and interesting to see that our students are capable of doing many things that sometimes we can't even imagine."

Abigail
First Grade Teacher,
Malinalco, Mexico



1. Source: UNESCO Institute for Statistics. www.uis.unesco.org

2. Digital inclusion is Intel's term for its worldwide efforts to expand the capacity of computing technology



Small footprint. Big opportunities.

“Classmate PCs bring 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,
General Manager,
Emerging Markets Platform Group

When children and teachers work and play with Intel-powered classmate PCs, the possibilities are endless. Students are using classmate PCs to do research on the Internet, blog, practice their language skills by interacting with audio programs, post questions to teachers, conduct virtual experiments, create animated presentations, play educational games, and more. Teachers deliver rich media curriculum, monitor student progress, test and assess students, adapt lessons to individual learning modalities, and more. Classmate PCs facilitate close involvement in children’s education: parents can communicate with teachers and get feedback. The potential of individuals all over the world is supported by the classmate PC hardware and software feature set, including a built-in camera and microphone. Surprise your child, your student, yourself—discover, create, and learn with an Intel-powered classmate PC.

Delivering value.

Student Usage

Enriches the learning experience through interactivity and by providing access to the Web and locally available digital content. A classmate PC helps facilitate group and project-based learning, encouraging collaboration with peers and teachers. Students can create rich and interactive digital content as part of their learning process.

Support Teacher Needs

Administration of class tests, managing computer-induced distractions, sharing rich-media content, and providing feedback on student performance to school administrators and parents.

Increased Teacher-Parent Interaction

Helps parents stay closely involved in their child’s education by accessing feedback from teachers and facilitating parent-teacher communication. A classmate PC also offers parents a tool to coach their children.

Purpose-Built Netbook Powered by Intel with Education-Oriented Features

System configuration of a second-generation Intel-powered classmate PC

Chassis

Customized mini-chassis 238x195x42mm

Processor

Intel® Mobile Processor ULV 900 MHz

Chipset

Intel® 915GMS

Memory

SO-DIMM DDR-2 256MB (Linux* only) or 512MB

LAN/ WLAN

10/100 MB Ethernet, IEEE 802.11b/g (WiFi), pre-IEEE 802.11s Mesh Networking (Linux* only)

Battery

Removable, hot swappable

Storage Device

1GB (Linux* only), 2GB, 4GB SSD, 1.8" HDD

Inbuilt 0.3Mpx Camera

With 640x480 30 FPS video support and still photography features

LCD

7" 800x480 pixels color LCD
8.9" 1024x600 pixels color LCD

Power Solution

3.3/5.0 hours of battery usage
Power Charging Indicator LED for quick feedback when stored/stacked in cabinet

Handle

Integrated to support micromobility usages in the classroom

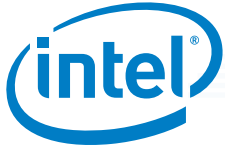
Keyboard/Touch Pad

Water-resistant keyboard
Touch pad (integrated vertical scrolling)

Palm Rest

Rubberized palm rest for increased comfort and ruggedness and durability





Fulfilling the Needs of Students and Educators

Features and benefits of a second-generation Intel-powered classmate PC

Audience	Benefits	Features
Students	<ul style="list-style-type: none"> Multimodal and peer-driven learning through interaction and collaboration Ability to create and access up-to-date rich, interactive digital content Exposure to real-world computing and software skills 	<ul style="list-style-type: none"> Small form factor, lightweight, durable, protective surfaces, easy-to-carry handle, and built-in camera Internet connectivity Classroom collaboration software features, such as for file sharing and group creation
Parents	<ul style="list-style-type: none"> Worry-free computer and Internet access for children Increased parental involvement in child's education through interaction with teachers and coaching Opportunity to sharpen computer skills along with child 	<ul style="list-style-type: none"> Advanced computing technology from Intel Preset classmate PC usage time limits, activity logs, whitelist and blacklist Web sites Available software features that facilitate parent-teacher communication and following child's school progress
Teachers	<ul style="list-style-type: none"> Simple digital-content distribution capabilities and support for multiple learning styles Ability to share up-to-date digital resources for lesson preparation Opportunities for professional growth and development 	<ul style="list-style-type: none"> Simplified lesson preparation and administrative tasks Features enabling real-time management of classmate PC usage by students and wireless file exchange
School Administrators	<ul style="list-style-type: none"> Minimal infrastructure requirement to set up and maintain Locally available IT support due to widespread technical knowledge base Low total cost of ownership and built-in features to protect investment 	<ul style="list-style-type: none"> Theft deterrent software (requires server) and Trusted Platform Module (TPM) Mobile education solution with 1:1 access for students Advanced computing technology from Intel
Education Policy Makers	<ul style="list-style-type: none"> Teachers who are trained to teach with technology Integration with national and state curriculum standards Affordable access to digital technology for local communities 	<ul style="list-style-type: none"> Mobile education solution with 1:1 access for students Advanced computing technology from Intel Flexible solution that easily scales to multiple locations
Computer Integrators	<ul style="list-style-type: none"> Intel's comprehensive support structure and locally available Intel support Software that is easy to install and configure; automated installation scripts Customizable platform and branding opportunities 	<ul style="list-style-type: none"> Fully x86 compatible advanced microprocessor technology Support for widely available operating systems and software applications Easily integrated software applications for educational use

For more information, visit: www.classmatePC.com, or www.intel.com/go/classmatePC.

For sales information, contact your Intel® Authorized Reseller.

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