![intel](intel logo) **Leap ahead™**

Accelerating Access to Uncompromised Technology and Education for Students in Emerging Markets

Classmate PC is a small, mobile learning-assistant educational solution that Intel specially developed for students in emerging markets. The rugged learning device, designed to provide affordable, collaborative learning environments for students in grades 5-10 and their teachers, will feature built-in wireless and digital pen attachments and run either Microsoft Windows* or the Linux* operating system.

Classmate PC is

"Rugged" Mobile Educational Solution

- Durable, rugged design for day-to-day use by children, almost "kid-proof"
- Small-form-factor that integrates easily into the classroom
- Easy to carry, light weight, a personal learning assistant that looks like a textbook

A Personalized Learning Device

- Education-specific feature set
- Integrated software and hardware solution, allows classroom/learning/content management
- Brings learning through fun, collaboration and interaction

Easy to Deploy

- Based on a full x86 processor, runs already available content, applications and operating systems with full compatibility with standard PC ecosystem
- Minimum IT infrastructure required using WLAN and ad-hoc networks

Advancing Teaching and Interactive Learning Experience

- Classmate PC is to bring the full value of PC technology to bear in helping students and educators in primary and secondary schools by assisting in the learning process.

- With students using the Classmate PC in class, a teacher can make presentations, guide student's access to the Internet, deliver specific controlled content and interact individually with students and parents in giving tests or providing feedback.

- The incorporated education applications integrate with other non-computing learning tasks such as note taking and handwriting with digital pen attachments. As it is based on a full x86 compatible processor, the Classmate PC design can benefit from wide availability of other standard software and tools for additional needs and uses.

Recommended Usage of Classmate PC includes:

Student Usage	The solution is used by the students to learn concepts through innovative, interactive content widely available from the local curriculum, and local content providers as well as other sources of knowledge such as encyclopedias, dictionaries, and so on. The solution also allows students to integrate handwritten notes that can be transferred and stored by the platform for easy viewing and sharing among students. Classmate PC is intent to facilitate collaboration among students inside the class facilitating the creation of group activities.
Teacher-student Collaboration Usage	The solution solves many of the time-consuming activities teachers must perform in their day-to-day schedules, including attendance monitoring, lesson preparation, administering class tests, controlling computer induced distraction and providing feedback on students to management and parents.
Teacher-parent Collaboration Usage	The solution also empowers parents to keep a close tab on their children by accessing feedback from teachers, offers the ability to coach them using the solution, and enables parents to communicate with teachers in an easy and flexible way.

Offering a Reliable, Portable and Durable Personal Learning Tool

"It is first and foremost a personalized learning device. Classmate PC allows for class, group, and individualized learning. It also provides for in-classroom, in-transit, and at-home learning. It is rugged, portable, and personalized. It sparks the imagination of what is possible. The team has actually built a number of prototypes and once you feel it, you understand the power."

- Willy Agatstein, VP Channel Platforms Group & GM Emerging Markets Platform Group

System Configuration of Classmate PC

Chassis	Customized Mini Chassis 245x196x44
Processor	Intel® Mobile Processor ULV 900 MHz, Zero L2 cache, 400 MHz FSB
Chipset	Intel 915GMS + ICH6-M
Memory	DDR-II 256M SO-DIMM
LCD	7" 800 x 480, LVDS Interface, LED B/L
Storage Device	1GB NAND Flash
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
Keyboard	Integrated Keyboard with Hot Keys
Touch Pad	Cycle Touch Pad with Left and Right Buttons
Note Taker (optional)	Customized Note Taker with Wireless Pen
TPM	TPM1.2
Power Solution	Battery with Adapter – 6 Cells, approximately 4 hours Usage
OS	Win XPE / Linux

Fulfilling the Unique Needs of Students and Educators

Features and Benefits of Classmate PC

Features	Ultra Mobility	Low Power	Reliability	Affordability	Education Focus	Architecture for Ecosystem
	▪Light weight<1.3kg	▪3 to 4 hours usage	▪Static storage ▪Rugged & student focus ID	▪Affordable for emerging markets	▪Parent/teacher control ▪Education applications/content	▪Full x86 compatibility to use wide existing content/applications expertise
Benefits	▪Light weight easy to carry	▪Can grow with 1:1 computing needs of K-10	▪Less maintenance/TCO life/ease of use for K-10	▪Specific feature set	▪No distraction effective learning/scoring/teaching	▪Content/applications easily available

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