Make Learning Fun and Engaging

Designed for fun, creative, and engaging 1:1 eLearning, the Intel® classmate PC – clamshell brings together Windows® 8, the amazing performance of Intel® Celeron® processors, and proven Intel® Education Software. They’re all part of the Intel® Education Solutions.

The clamshell classmate PC helps simplify education and keep students excited about learning. Whether acquiring field data with the HD camera, analyzing results using collaborative Intel Education Software or creating expressive art, the clamshell classmate PC is designed for education and engineered for students to develop the 21st century skills needed in today’s global economy.

Highlights:
- Built rugged for students and IT
- Windows® 8 experience
- Together with Intel Education Software, the clamshell classmate PC is one part of Intel Education Solutions
- High Definition LCD display makes it easy to read eTextbooks
- Vivid graphics engine and software allow children to creatively express themselves
- Integrated software suite to keep students safe, help teachers teach, and protect investment in advanced 1:1 eLearning tools
- High Definition camera brings scientific inquiry to life
- Plug-in sensor and software for engaging scientific inquiry
- Drop-tested, spill-resistant for long-term durability

“Digital inclusion brings about a level playing field. It means that the little girl in a village in Nigeria can get the same information for her research project as a little girl in Washington or China.”

Turner Isoun, Minister of Science and Technology, Nigeria
Intel® Education Software

The Intel classmate PC – clamshell includes Intel Education Software, a comprehensive suite of applications designed for today’s educational objectives.

- Helps students develop 21st century skills through exploration, interpretation, and collaboration.
- Enables teachers to facilitate learning and efficiently manage their classrooms.
- Gives administrators tools to protect students and manage technology, while reducing their total cost of ownership (TCO).

For Teachers and Students

Intel® Education Resources

In addition to the student and teacher applications in the suite, Intel® Education Resources include digital learning objects from skool™ content, Khan Academy,* English language learning resources from the British Council, and a collection of digital literacy resources from Intel® Education. Intel Education Resources also provide teachers with professional development courses from Intel® Teach and Intel® Transforming Learning.

Kno* Textbooks

Designed specifically for education, Kno* Textbooks enables students to explore rich content, such as embedded video, 3-D models, and linked glossaries. Regularly updated electronic textbooks keep learning relevant and open authorship empowers students to add information to their textbooks to drive learning home. Kno Textbooks enables students and teachers to take advantage of the latest experiences in Windows 8 desktop mode.

Intel® Education Lab Camera by Intellisense

Lab Camera provides imaging tools to promote scientific inquiry and help make abstract concepts tangible for students. Collecting, organizing, and inspecting visual data encourages problem-solving and critical thinking skills. With its built-in camera, Lab Camera enables multi-faceted, easy-to-access scientific experiments through time-lapse imagery capture, a microscope, pathfinder analysis, universal logger, kinematics and motion triggering. Lab Camera is tuned to provide rich experiences in Windows 8.

ArtRage*

part of Intel® Education

ArtRage* painting and drawing allows students to explore creativity and communicate visually using a range of artistic effects: watercolor, ink pen, flood fill, “gloop” pen, sticker spray, text tool, and more. Because it’s so intuitive to use, students can spend more time nurturing their inner Picasso than laboring to learn a complex program.
**Intel® Education Media Camera by Intelliesense**

Media Camera provides camera-based tools that help students visually express themselves and better communicate what they've learned. Media Camera includes:

- Recorder to take pictures, record video, and perform basic media editing.
- Presenter with advanced tools, such as annotate, rotate, and resize, to enhance captured imagery from the Media Camera or other source.

Media Camera is tuned to provide rich experiences in Windows 8.

**SPARKvue* part of Intel® Education**

SPARKvue* puts a comprehensive laboratory in the hands of every student. Using the Intel clamshell classmate PC and its built in camera, built-in sensors, and optional attachable sensors, SPARKvue helps students analyze and report their findings of scientific experiments involving temperature, acceleration, light, magnetic fields, and more. SPARKvue comes with 60 built-in labs and allows teachers to create custom labs for specific study.

**Classroom Management part of Intel® Education**

The Classroom Management application enables teachers to support diverse learning styles by managing individual, group, or entire class activities from their teacher’s PC. Teachers can deliver interactive lesson content, monitor student learning with quiz functions, administer assessments, transfer files to individual students or the entire class, monitor student screens, and chat with each student. Classroom Management provides an infrastructure for 1:1 eLearning in the classroom.

**Intel® Education Hard Disk Protection**

Drops are inevitable. When the device detects a vibration caused by a sharp movement or drop, the PC stops hard drive activities to avoid damage and safeguard information. Students minimize the risk of losing stored information, while schools reduce costs of hard drive replacements.

**For IT and Administrators**

**McAfee AntiVirus Plus* part of Intel® Education**

With a five-year license, McAfee AntiVirus Plus* helps enforce safe and secure computing practices by proactively protecting devices from exposure to malware or identity theft risks.

**Intel® Education Theft Deterrent**

A hardware-hardened solution for a robust asset management infrastructure, Intel® Education Theft Deterrent helps schools protect capital and operational investments.

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**SOFTWARE SUITE BENEFITS**

**SCHOOL IT ADMINISTRATORS**

- Hundreds of applications available from the Intel® Education Ecosystem
- 21st century learning tools build 21st century skills
- Low total cost of ownership (TCO)
- Tools to create a secure and manageable infrastructure

**TEACHERS**

- Localized and relevant curriculum and content
- Technical and pedagogical teacher/professional training
- Classroom management tools facilitate student learning and collaboration
- Support diverse learning styles
- Effectively evaluate student learning and understanding

**STUDENTS**

- Enables effective 1:1 eLearning
- Creates a collaborative learning environment
- Engages students for longer periods
- Helps stimulate creativity, collaboration, communication
- Protects students from unwanted content
### System Configuration

<table>
<thead>
<tr>
<th>Category</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor</td>
<td>• Intel® Celeron® processor 847 (dual-core option)</td>
</tr>
<tr>
<td>Chipset</td>
<td>• Intel® NM70 Express Chipset</td>
</tr>
<tr>
<td>Memory</td>
<td>• 2 GB/4 GB DDR3-1066/1333</td>
</tr>
<tr>
<td>Storage</td>
<td>• 32 GB/64 GB SATA Flash</td>
</tr>
<tr>
<td></td>
<td>• 2.5&quot; SATA HDD (9.5 mm), G-sensor for HDD protection</td>
</tr>
<tr>
<td>LCD</td>
<td>• 10.1&quot; 1366 x 768 HD</td>
</tr>
<tr>
<td>Operating System</td>
<td>• Windows® 8</td>
</tr>
<tr>
<td>Security</td>
<td>• McAfee AntiVirus Plus*</td>
</tr>
<tr>
<td>Keyboard/Touch Pad</td>
<td>• Water-resistant keyboard/touch pad/power button (200 cc)</td>
</tr>
<tr>
<td>Camera</td>
<td>• 30 fps @ 1280x720 1MP HD</td>
</tr>
<tr>
<td>Audio/Speaker/Microphone</td>
<td>• Integrated audio, built-in speaker, and digital microphone</td>
</tr>
<tr>
<td>Handle</td>
<td>• Integrated retractable handle supports micro-mobility in the classroom</td>
</tr>
<tr>
<td>System I/O</td>
<td>• 3x USB 2.0 ports (Chargeable)</td>
</tr>
<tr>
<td></td>
<td>• 2-in-1 card reader</td>
</tr>
<tr>
<td></td>
<td>• VGA port</td>
</tr>
<tr>
<td></td>
<td>• Optional HDMI</td>
</tr>
<tr>
<td>Connectivity</td>
<td>• Bluetooth® + Wi-Fi combo</td>
</tr>
<tr>
<td>Battery Options(^2)</td>
<td>• 6-cell battery 7.4 hrs (5200mAh)</td>
</tr>
<tr>
<td></td>
<td>• 6-cell battery 6.3 hrs (4400mAh)</td>
</tr>
<tr>
<td></td>
<td>• 3-cell battery 3.5 hrs (2600mAh)</td>
</tr>
<tr>
<td>Custom Mini-Chassis</td>
<td>• Size including handle: 269 mm (wide) x 211 mm (deep) x 271 mm (front thickness) x 33.7 mm (rear thickness)</td>
</tr>
<tr>
<td></td>
<td>• 1.35 kg (SSD, 3-cell battery); 1.55 kg (HDD, 6-cell battery)</td>
</tr>
<tr>
<td></td>
<td>• Rugged keyboard with anti-peeling keys</td>
</tr>
<tr>
<td>Drop Test</td>
<td>• Power off/Lid off: 70 cm, 6 faces/8 corners</td>
</tr>
</tbody>
</table>

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1 Not all solutions are available in all geographies and languages. Features and functions are subject to change. This product brief is for informational purposes only and Intel makes no warranties, express, or implied in this product brief.

2 Based on 10.1" LCD and defined brightness, WiFi off, and camera disabled. Actual battery life may vary based on product settings, usage patterns, and environmental conditions.

Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors. Performance tests, such as SYSmark and MobileMark, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products. For more information go to http://www.intel.com/performance

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To find out more about Intel Education products, software, and services, visit [www.intel.com/edusolutions](http://www.intel.com/edusolutions)

For sales information, contact your Intel Authorized Reseller.