Mobile computing is gaining momentum for today’s educational organizations because of a new class of devices—this category-defining blockbuster is the tablet. Immensely portable, tablets serve as eReaders, video repositories, and Web-browsing devices with instant access to thousands of applications—often replacing the need for physical books.

Inside the classroom, tablets are transforming traditional lessons. Schools are increasingly seeing the potential of mobile devices. Not only are the devices themselves less expensive than most laptops, they need less infrastructure to support them.

The versatile, robust Intel® studybook is designed especially for education. It combines education-specific hardware features and software applications with the convenience and flexibility of a tablet. Easy to carry and hold, the tablet’s anywhere, anytime connectivity and touch screen enables learning inside and outside of the classroom, and at home. Durability, flexibility, and security make the tablet a sound investment for schools and nations seeking solid 21st century learning outcomes.

Based on extensive research in classrooms worldwide and in collaboration with educators and local vendors, the Intel studybook brings advantages from localized content to interoperability with school networks and infrastructures:

- Enables best practices for curriculum and instruction in classrooms
- Allows anytime, anywhere access to information, tools for learning and productivity, and hundreds of thousands of custom applications (depending on the operating system)
- Part of the Intel® Learning Series, a cost-effective, end-to-end solution delivering culturally relevant content, sustainability, and support for local economies

“There was a consistently positive correlation between integrative motivation and second language achievement ... tablet PCs mediated collaborative learning benefits.”

Tablet PC to Support Collaborative Learning: An Empirical Study of English Vocabulary Learning

Tactile home button

I/O port cover
Protect ports from water and dust

Front camera

I/O port cover
Intel® Learning Series Software Suite

The Intel® Learning Series Software Suite provides a collaborative, secure, enhanced, and easy-to-use experience. Optimized for performance, stability, and scalability, it has been tested in real-world 1:1 eLearning environments.

**Students:** Reading and collaboration tools to help students learn and improve 21st century skills and core subject knowledge.

**Teachers:** Optimized for wireless classroom environments, classroom management application supports collaboration, screen sharing, and file transfer for efficient organization and assessment.

**IT Administrators:** The Trusted Platform Module (TPM)-based hardware and software theft deterrent solution helps protect capital and operational investments. Theft deterrence includes certificate-based policies that are hardware-hardened and BIOS-enforced.

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**Key Features: Windows® 7**

- **Thief Deterrent:** Hardware-based security solution to protect school/client assets
- **Classroom Management:** Learning collaboration, in-class tests/quizzes, and file sharing
- **Access Management:** Capabilities to set and monitor student access in school and at home
- **LabCam:** Six unique modules to model camera data
- **Painting and Drawing:** Powerful drawing tool
- **Pen Input:** Easy-to-use writing tool
- **Note Taker:** Note-taking tool
- **eReader:** Optimized eReader supporting multiple format and annotation
- **Webcam Companion:** Touch-optimized application to capture and edit photos and videos

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**Key Features: Android® Honeycomb**

- **Thief Deterrent:** Hardware-based security solution to protect school/client assets
- **Classroom Management:** Learning collaboration, in-class tests/quizzes, and file sharing
- **LabCam:** Six unique modules to model camera data
- **KNO eReader:** Education-specific; highlight, annotate, bookmark, and quiz
- **Built-in Applications:** Browser, camera, picture viewer, email client, media player, calculator, contacts, virtual keyboard
- **Google® Mobile Service (GMS) Applications™:** Gmail, Google Maps, YouTube®, Google Books, Android® Market, Google Calendar, Google Translate, Google Docs, Google Search

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*GMS may not be available in all geographies. Please contact your Intel representatives for details.
## System Configuration of an Intel® studybook

*Part of the Intel® Learning Series*

<table>
<thead>
<tr>
<th></th>
<th>Windows® 7</th>
<th>Android® Honeycomb</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CPU/Chipset</strong></td>
<td>• Intel® Atom™ processor Z650</td>
<td>• Intel® Atom™ processor Z650</td>
</tr>
<tr>
<td><strong>Memory</strong></td>
<td>• 1 GB DDR2</td>
<td>• 1 GB DDR2</td>
</tr>
<tr>
<td><strong>Storage</strong></td>
<td>• 16 G/32 G solid-state drive (SSD)</td>
<td>• 4 G/8 G/16 G/32 G SSD</td>
</tr>
<tr>
<td><strong>Software</strong></td>
<td>• Intel® Learning Series Software Suite</td>
<td>• Intel® Learning Series Software Suite</td>
</tr>
<tr>
<td><strong>LCD/Touch panel</strong></td>
<td>• 7-inch 1024 x 600 capacitive multi-touch</td>
<td>• 7-inch 1024 x 600 capacitive multi-touch</td>
</tr>
<tr>
<td><strong>Keyboard</strong></td>
<td>• None</td>
<td>• None</td>
</tr>
<tr>
<td><strong>Network</strong></td>
<td>• 802.11b/g/n WLAN (1x1)</td>
<td>• 802.11b/g/n WLAN (1x1)</td>
</tr>
<tr>
<td><strong>Battery Life</strong></td>
<td>• Up to 5.5 hours</td>
<td>• Up to 5.5 hours</td>
</tr>
<tr>
<td><strong>Audio/Speaker/Microphone</strong></td>
<td>• Integrated audio, single speaker, and digital microphone</td>
<td>• Integrated audio, single speaker, and digital microphone</td>
</tr>
<tr>
<td><strong>Dimension</strong></td>
<td>• 207 x 135 x 16.5 mm</td>
<td>• 207 x 135 x 16.5 mm</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>• ~550 g</td>
<td>• ~550 g</td>
</tr>
<tr>
<td><strong>System I/O</strong></td>
<td>• 1 x USB port, 1 Micro-SD slot, mic+audio out, mini-HDMI (optional), SIM card slot (optional)</td>
<td>• 1 x USB port, 1 Micro-SD slot, 3G card slot mic+audio out, mini-HDMI (optional), SIM card slot (optional)</td>
</tr>
<tr>
<td><strong>Sensor</strong></td>
<td>• Accelerometer, light sensor (optional)</td>
<td>• Accelerometer, light sensor (optional)</td>
</tr>
<tr>
<td><strong>Camera</strong></td>
<td>• Front 0.3 MP (optional), rear 2.0 MP (optional)</td>
<td>• Front 0.3 MP (optional), rear 2.0 MP (optional)</td>
</tr>
<tr>
<td><strong>Connectivity</strong></td>
<td>• Bluetooth® (optional)</td>
<td>• 3G (optional), Bluetooth (optional)</td>
</tr>
<tr>
<td><strong>Ruggedness</strong></td>
<td>• 70-cm drop, water resistance</td>
<td>• 70-cm drop, water resistance</td>
</tr>
<tr>
<td><strong>Security</strong></td>
<td>• Trusted platform module (TPM)</td>
<td>• Trusted platform module (TPM)</td>
</tr>
</tbody>
</table>

“As schools transform their teaching practices to tablet computing, special attention should be given to integrate the tablet PC into the curriculum and teaching across as many subjects as possible.”

*Singapore Tablet PC Program Study*

Why educators are choosing tablets

The Intel® studybook

The move to affordable connectivity for schools is driving a parallel shift for tablets, from companion devices to primary devices. Tablets can be used to teach 21st century skills—problem solving and critical thinking to content creation and collaboration. Delivering high-quality, energy-efficient performance in a rugged form factor, Intel® studybooks are a natural fit for diverse student populations.

- Enable anytime, anywhere access to information, tools for learning and productivity, and hundreds of thousands of custom applications (depending on the operating system).
- Include innovative features that support project-based inquiry and mobile learning environments, such as the accelerometer, camera, microphone, and light sensor.
- Ideal for storing reference materials and research, as well as tools for fieldwork. Tablets can be used to record observations via voice, text, or multimedia, and access reference sources in real time.
- Can transform education across the curriculum. For example:
  - **Language arts**: Emergent readers can trace letters while hearing them enunciated. All grade levels can take notes, highlight and annotate reading assignments and worksheets, and create concept maps.
  - **Mathematics and science**: Students can create graphs and diagrams, predict trends, record observations in class or in the field, illustrate concepts, create models, and follow hotlinks to deeper content.

Tasks that were once performed in a Web browser can now be distributed among tablet apps created specifically for education.

- Support improved retention, organization, capture of video/audio while taking notes, collaboration, and peer review.

Purpose-built for education, Intel studybooks are delivered by local vendors, providing geographically relevant, culturally appropriate teaching and learning solutions, and ongoing local service and support.

“Students completed almost 20,000 problems over 18 weeks on six tablet PCs rotated between three classes.”

Integration and Perception of Tablet PC Software in Elementary Mathematics Education

To find out more about the Intel® Learning Series, visit [http://www.intellearningseries.com](http://www.intellearningseries.com).

For sales information, contact your Intel Authorized Reseller.