

PRODUCT BRIEF

2 in 1 Convertible and
Notebook Reference Designs



Thin, Durable Designs Built for the Classroom



**Intel® Education 2 in 1 Convertible
and Notebook Reference Designs**

Engage students with a great alternative to tablets. Choose a thin, light notebook that's durable and easy to carry. Or select a 2 in 1 convertible that adapts to the student's learning style with digital pen, touch, keyboard, and touchpad interfaces.



Best of Both Worlds

This reference design is an excellent platform for schools that want the mobility of a tablet with the functionality of a notebook. Thin and light, it's easy to carry and fits in tight spaces. A single design supports two form factors.¹ The notebook offers an entry-level, non-touch option. With the 2 in 1, students gain an easy-to-use touch interface and digital pen, plus the productivity and ergonomics of an attached keyboard.

Seamless Student Interfaces

Empower students to extend creativity into new subjects and media. With multiple user interfaces, the 2 in 1 convertible becomes an exciting collaboration and creativity tool. It incorporates a high-quality digital pen for a flexible way to draw, solve problems, take notes, or share ideas. Combined with touch, keyboard, and mouse, this design accommodates the student's natural learning flow.

Rugged for Anytime, Anywhere Learning

The Intel® Education 2 in 1 convertible and notebook reference designs are built to withstand bumps and accidental drops from desktop height (up to 70 cm).² The stronger, thicker rear cover and frame around the screen, sides, and corners absorb the force of bumps and reduce damage when dropped. If a student drops the device on a side or corner, the plastic bumper hits the ground first, protecting the screen. This rugged design helps reduce out-of-classroom servicing downtime, avoid replacement part costs, and extend the life of the device.

The design includes a range of other life-extending features. A water-resistant keyboard channels liquids (up to 100 cc) away from the electronics to prevent damage,² while the sealed touchpad protects against moisture and spills. A fanless design reduces noise and eliminates the need for bottom vents, helping keep debris away from the electronics. Reinforcement around ports and hinges and antipeel keys stand up to student wear and tear. The nonslip texture hides scratches and helps students better grip the device.



INTEL® EDUCATION 2 IN 1 CONVERTIBLE AND NOTEBOOK

Designed for the Classroom

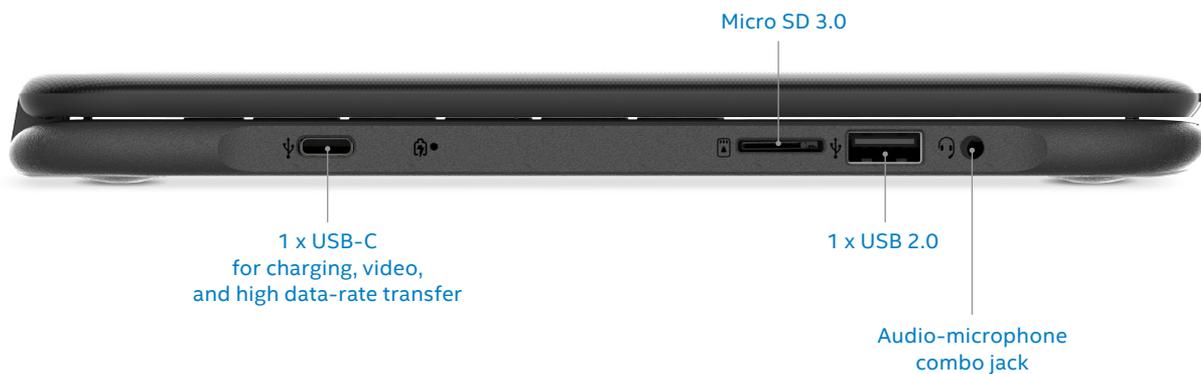


2 in 1 Convertible

- Touchscreen
- 360-degree hinge
- Tent, presentation, tablet, or laptop

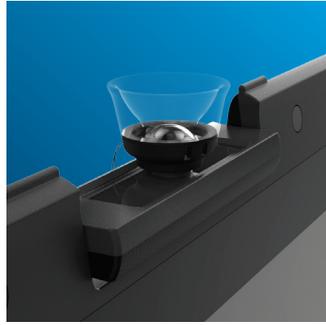
Entry-Level Notebook

- Non-touch
- 180-degree hinge





Rotatable camera supports scientific inquiry and lets students capture images and video in both front- and world-facing views.



30X magnification lens (optional) easily snaps onto the camera to help students carry out scientific observations—with enough power to see the color of a fruit fly's eye or the crystal structure on raw sugar.



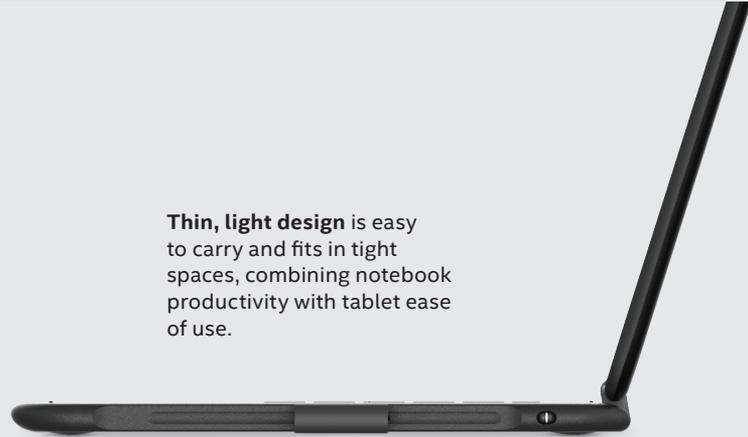
Rugged design is built with rubber edges, screen protection, and rugged texture to withstand bumps and accidental drops from up to 70 cm.² A water-resistant keyboard and touchpad add extra protection.



Retractable handle makes the device easy to carry with hands full and less likely to be dropped. A student can also use the handle to simply hang the device on hooks located in lockers, cubbies, or at home.



Temperature sensor probe (optional) plugs into the audio jack. When paired with additional software, it turns the device into a powerful scientific inquiry tool.



Thin, light design is easy to carry and fits in tight spaces, combining notebook productivity with tablet ease of use.

Seamless user interfaces bring together digital pen, touch, and voice (with support for Cortana for Microsoft Windows® 10) to one platform with an attached keyboard (2 in 1 only)

Fanless for quiet operation

100 cc water resistance for added durability²

Expanded connectivity and sharing with support for Wi-Fi and Bluetooth*

Up to eight hours' battery life³ for all-day learning

One platform design can be configured to meet a range of needs¹

Easy serviceability with access to the battery in minutes

Platform security with support for Intel® Theft Deterrent technology



INTEL® EDUCATION 2 IN 1 CONVERTIBLE AND NOTEBOOK PRODUCT SPECIFICATIONS

Intel® Education reference designs are delivered by OEMs that provide locally relevant and culturally appropriate learning and teaching solutions.

Processor	Intel® Atom™ x5-Z8350 processor, up to 1.92 GHz
Operating system	Microsoft Windows® 10, 32-bit and 64-bit
Memory options	2 GB or 4 GB LPDDR3
Storage options	32 GB/64 GB/128 GB eMMC
Display	11.6", 1366 x 768, 16:9 2 in 1: IPS touch Notebook: IPS non-touch optically bonded
Stylus	Precise digital pen + tether to prevent loss (optional on 2 in 1 only)
Rugged design	70 cm drop testing, ² IP5 dust- and 100 cc water-resistance ² Extensive testing of hardware components
Security	Optional, Intel® Education Theft Deterrent for Windows*
Battery life³	Up to eight hours; 35 WHr, USB-C charging only
Camera	Rotational 2 MP HD
Snap-on magnification lens	Optional, 30X magnification
Temperature sensor probe	Optional
Dimensions	298.6 x 207.25 mm 18.6 mm thin
Weight	2 in 1: ≤1.3 kg Notebook: ≤1.2 kg
Network	802.11ac 1x1 Wi-Fi (optional 802.11ac 2 x 2 Wi-Fi) Miracast*-enabled
Connectivity	Bluetooth* 4.0+EDR
System I/O	1x USB-C, 1x USB 2.0, 1x micro SD 3.0
Audio/Speaker/Microphone	Integrated audio, 2x speakers, 2x microphone (second one optional)
Sensors	2 in 1: eCompass, gyroscope, accelerometer, ambient light sensor Notebook: Ambient light sensor



Learn More

For more information about Intel Education solutions, visit intel.com/educationproducts.

1. Separate platform SKUs for 2 in 1 and notebook form factors.

2. Drop test configuration: 70 cm drop on concrete floor. Testing was five faces, four corners with lid open to 360 degrees; six faces, four corners with lid closed. IP testing conducted according to IEC 60529 (International Electrotechnical Commission). Water-resistance testing conducted with 100 cc of water on both the touch panel (with lid open to 360 degrees) and keyboard. Drop, IP, and water-resistance testing conducted by Intel.

3. Battery life is based on TabletMark* v3. Configuration: 360 SKU; Intel® Atom™ Z8350 CPU; 11.6" LCD, 4GB memory; Windows® 10 64-bit OS. Actual battery life may vary based on battery size, product settings, usage patterns, and environmental conditions. Testing conducted by Intel.

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