

Lenovo™



Lenovo Yoga Book Reviewer's Guide

Lenovo Yoga Book

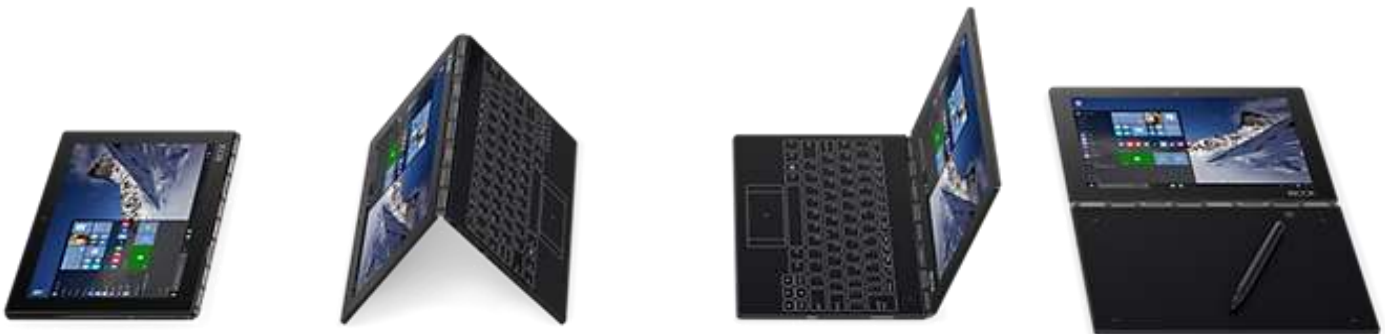
The Lenovo Yoga Book is a fresh take on tablet design that connects creativity and productivity through a suite of new hardware and software features.



In terms of portability, it is extremely thin at only 9.6-mm in the closed position and very light, at only 690-grams (1.52lbs). However beyond portability, this 2-in-1 tablet provides three capabilities; typing, pen use, and paper notes in a unique way:

- Typing with Lenovo’s zero-travel backlit touch Halo keyboard.
- Digital drawing and note taking with Lenovo’s Create Pad and Real Pen.
- Real paper note taking and drawing with the Real Pen switching from a digital to an ink tip that allows real paper use while automatically recording a digital copy.

Even more unique is the fact that the keyboard and digitizer occupy the same physical space. In addition, true to the Lenovo Yoga brand name, the tablet utilizes a specialized hinge that allows shape shifting of the clamshell form factor to adapt the system to your use.

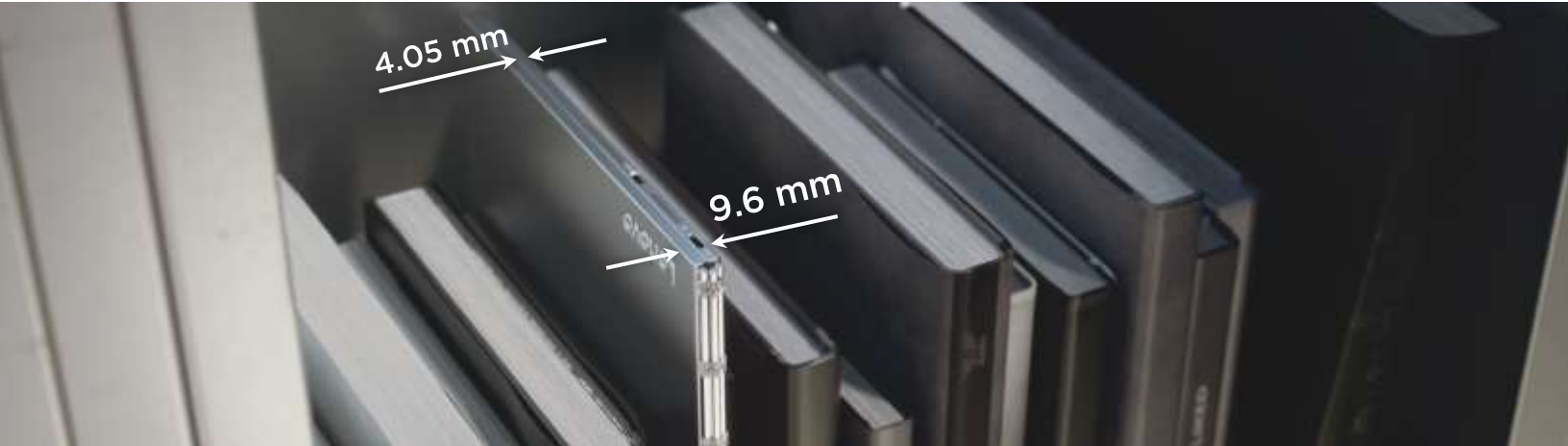


For further versatility and choice the Yoga Book is available with either Android 6.0 Marshmallow or the Windows 10 Home operating systems. Both share identical hardware.

- 10.1” FHD IPS Display
- Intel Atom x5-Z8550
- 4GB Memory, 64GB Storage
- 8500 mAh Battery

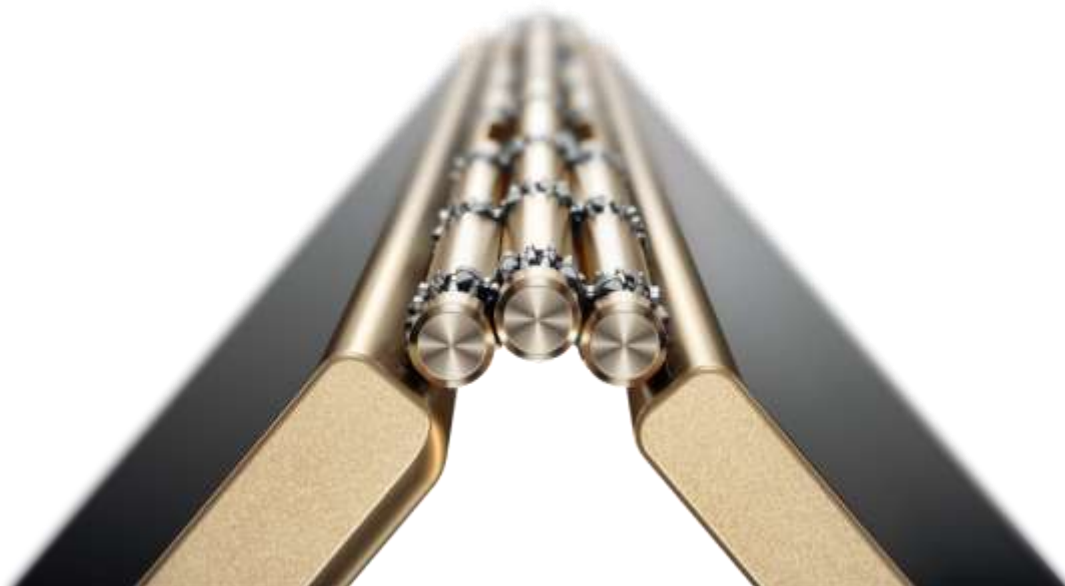
Yoga Book Engineering

As the name implies, it really does resemble a small book. It measures 4.05 mm (0.16 inches) on its thinnest side and only 9.6 mm (0.38 inches) when fully closed. It also weighs a meager 690 grams (1.52 pounds). Yoga Book is one of the world's thinnest and lightest 2-in-1 devices.



Watchband Hinge

The Yoga Book carries with it Lenovo's patented watchband style hinge that is similar in looks to the one found on high end Lenovo Yoga laptops. One of the major challenges with this product involved redesigning the watchband hinge to work reliably on a much thinner tablet-sized device. Lenovo was able to devise a new 3-axis version for the Yoga Book. The hinge has been tested and verified to withstand more than 25,000 open and close operations.



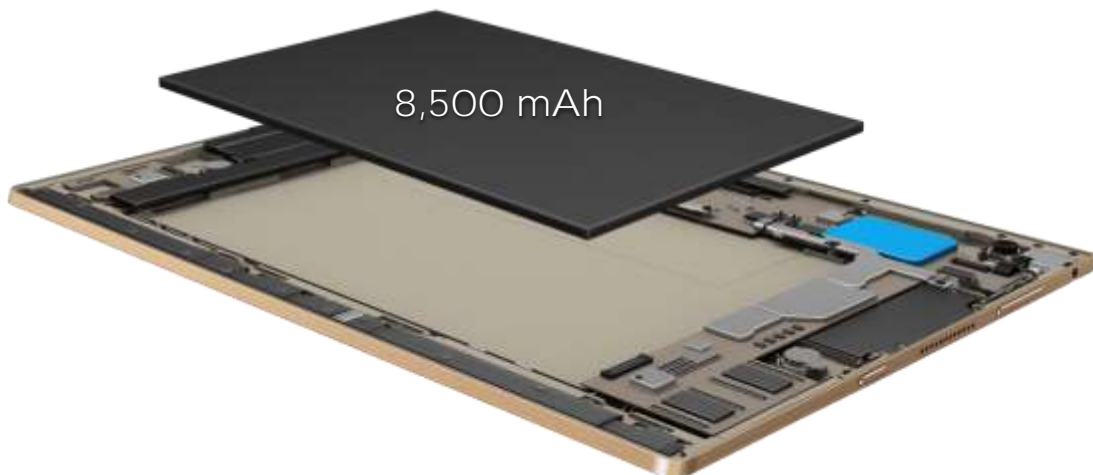
Sourcing a thinner camera, thinner speakers, and using high strength magnesium-aluminum alloy allows the Yoga Book to retain features while also remaining extremely thin. The Yoga Book is almost as thin as a standard 3.5mm headphone jack, which is a true testament to its thinness.



Tablet DNA

Aside from these feats of engineering, the Yoga Book remains a tablet at its core. Whether you're watching a movie, browsing the web, or sketching ideas, the Yoga Book's has a bright 10.1-inch IPS display to provide the tablet experience. Lenovo has also included Dolby Atmos™ enhancements to improve the audio experience. Powering the Yoga Book is an Intel Atom x5-Z8550 processor, 4GB of memory, and 64GB of internal storage.

The unique design of the Yoga Book has also made room for a very 8,500 mAh battery. Most users should be able to go all day without having to charge the device.



Halo Keyboard

The biggest contributor to the Yoga Book's thinness is the inclusion of Lenovo's unique zero-travel capacitive touch keyboard. Lenovo calls it the Halo keyboard.



Touch keyboards are common on most tablets, but what sets the Halo keyboard apart from a standard touch-screen keyboard are several things:

- **A thinner device** – A typical keyboard requires space for switches and mechanical parts. The Halo keyboard has no moving pieces and uses its own touch panel to save on space and opens up room for additional features. The keyboard can appear or disappear with the press of a button or touch of an icon.
- **More screen, better experience** – A traditional tablet's on-screen keyboard takes up screen real estate and makes for slow, awkward thumb typing. The Halo keyboard is separated from the display screen and provides the user with a more familiar 10-finger clam shell typing experience. The Halo keyboard uses a layer of Gorilla Glass with anti-glare coating with a matte and grainy paint for a better feel and recognizes your typing.
- **Research and engineering** – Lenovo has spent countless hours developing the keyboard. This research has resulted in a keyboard with haptic feedback, a customized ergonomic layout and algorithms that learn and adjust the underlying virtual layer to fit the users typing habits. There are several patents pending on Lenovo's Halo keyboard.

Create Pad and Real Pen

wacom®

By removing the mechanical component of a keyboard, the Yoga Book becomes a unique 2-in-1 device. Taking that innovation one step further, Lenovo has layered into the Yoga Book another feature called the Create Pad. This is a layer of Electromagnetic Resonance (EMR) film that resides under the keyboard that is powered by Wacom Feel technology. This Wacom digitizing pad supports up to 2048 levels of pressure sensitivity and 100-degree angle detection.

The Create Pad's EMR waves are sent from a sensor, receiving the signals returned by the pen. These signals are then processed through algorithm-based analysis, allowing the pen to digitize what's being written on the paper or multi-use pad.



You'll never have to charge or replace the real-pen accessory and it doesn't require batteries. Users can collaborate and share notes and drawings instantly on the Yoga Book. Students and professionals can quickly digitize their lecture or meeting notes, and artists can sketch their ideas that get immediately backed up.

A practical feature of the Real Pen is the ability to transition from digital stylus to a mini-ballpoint ink tip (available at any office supply retailer). Simply use the cap of the pen to swap out the tips and start writing on the Book Pad.



Book Pad



Lenovo has included the Book Pad with the Yoga Book. It's a magnetized pad that holds a stack of paper. There is no special technology within the pad or paper itself. It simply helps align the stack of paper with the underlying digitizer. The pad can be refilled with standard A5 sized paper.

In the Box with the Yoga Book comes:

- 1 Real Pen
- 1 Book Pad
- 20 Paper Book Pad Refills
- 3 Real Pen Ink Refill



Switching Between Create Pad & Halo Keyboard



Presto Change-o - Pen or typing modes appear on demand. It easy to switch between the Create Pad and Halo Keyboard by long pressing the Pen icon on the system or touching the Pen icon on the screen. Either can be used to enable both functions.



Yoga Book Screen: **10.1" FHD IPS, 400 Nits**

This 2-in-1 tablet features a bright 10.1" Full-HD (1920 x 1200) touch display that supports stylus input by default on Windows and by enabling Lenovo AnyPen in Android settings.



Yoga Book: Android & Windows

The Yoga Book uses an Intel processing platform that allows the same hardware to be used for both the Android and Windows versions of the systems and provides the same overall experience. There are some slight differences to note.

Yoga Book with Android has:

- Book UI Task bar & notifications customization
- Multi-window support (run apps in phone layout)
- Lenovo Note Saver App for notes and drawing
- Enablement of digitizing when screen is off
- TouchPal software for Auto-correct, auto-complete, word-prediction for typing



Yoga Book with Windows has:

- Microsoft One Note for notes
- Windows-specific keyboard layout
- Windows Keyboard Shortcuts
- Windows Anniversary Edition
- Touchpad with left and right margins as well as two-finger Mouse scrolling



Android Features

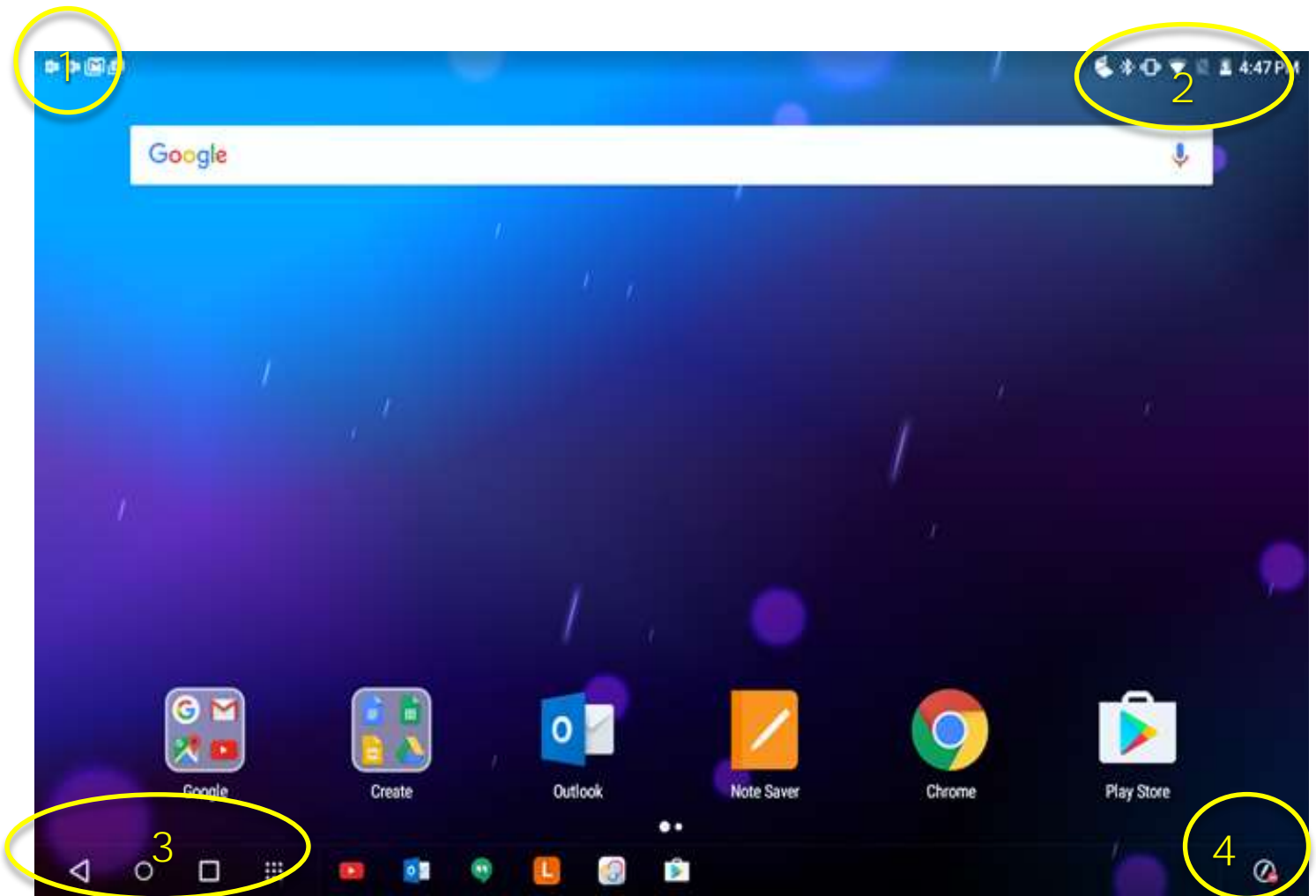


The Yoga Book was created with the intention of blurring the line between tablet and laptop. So, Lenovo has made some modifications to the user interface to facilitate an improved experience.

Android Custom Interface

Below are some features of the Yoga Book's custom interface:

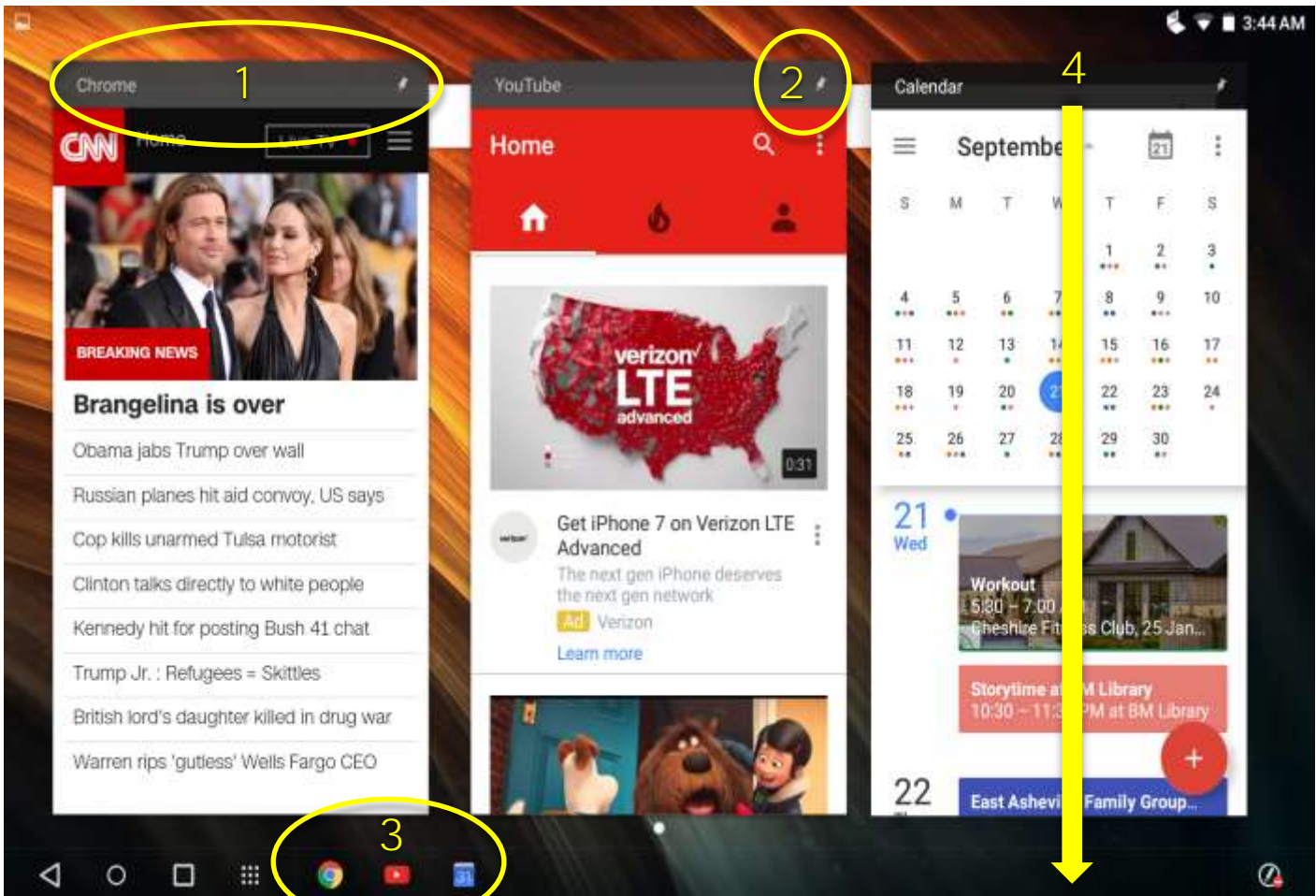
1. Notification pull-down.
2. Settings and Device Info.
3. Shifted back, home, open apps icons to a familiar multi-tasking layout.
4. Toggle between the Halo Keyboard and Create Pad digitizing layer.



Android Multi-Window Support

Today, Android is not well known for its multi-tasking abilities. Lenovo has added some multi-window capability allowing for three apps at a time to run in a phone layout. Supported Apps can be minimized, maximized or pinned. Try apps like Gmail, Chrome or YouTube.

1. Apps in multi-window mode can be placed in desired locations by long pressing the title bar and dragging.
2. Lock an app in place by tapping the pin icon.
3. Open apps appear in bottom task bar. To minimize/maximize an app, tap/click on the app icon in the task bar.
4. To close an app, hold and drag the window down into the task bar. You can also, close an app by long pressing the app icon in the task bar and dragging it up and out of the task bar.



Lenovo Note Saver

Lenovo Note Saver is an app designed to take advantage of the writing capabilities of the Yoga Book. With Note Saver, users can conveniently record, merge, amend, and organize notes.

1. The Note Saver app automatically opens in the background when the pad is switched to drawing/writing mode (Press and hold the stylus icon on the keyboard). The app can also be opened manually.
2. You can start taking notes immediately with the Note Saver mini-window opened in the background. To open Note Saver in full-screen simply tap/click on the mini-window.

Note: Additional features can be found within the Note Saver app itself.



Taking Notes with the Screen-Off

The Yoga Book also has the capability of digitizing your notes with the display turned off, which helps save on battery life and gives the user a traditional note taking experience.

1. Make sure the Note Saver mini-window is open.
2. Turn off display via the Power/Sleep button on the side of the device.
3. Rotate the device into tablet mode and align the Book Pad (or any paper) on the Create Pad and start writing/drawing. (Keyboard will disable at 180-degrees.)
4. To record to a new digital page while in this mode without having to turn the display back on, simply double-tap the Pen button. The old page will be automatically saved.



Note: Additional tutorials can be found in this app.

Drawing with Yoga Book

The Create Pad has more uses than just notetaking. It also opens up the ability to work on digital sketches using your favorite drawing application. Lenovo has included Art Rage (Art Rage Lite on Windows) to get you started.

1. Open up Art Rage (or Art Rage Lite for Windows) and select a drawing tool such as the Pencil tool.

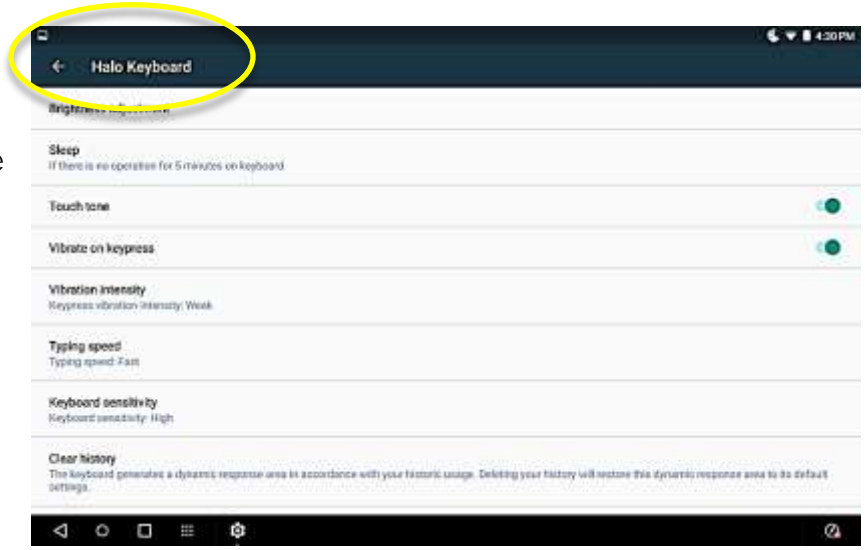
Try sketching something. Notice how the device detects the difference between full pressure and even the lightest touch.

2. Create a new layer and continue drawing or painting. Notice how any changes (such as erasing) only impact the currently selected layer.



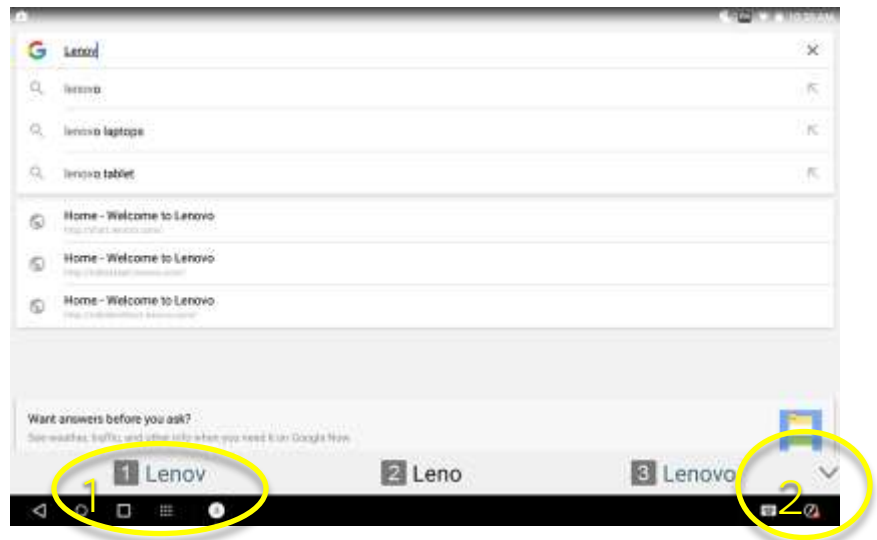
Halo Keyboard Settings

A number of keyboard options have been added in Android to enhance the typing experience. To change the Halo keyboard settings such as haptic feedback, backlight brightness, and touch tone, go to: *Settings* → *Halo Keyboard*.



TouchPal Software

TouchPal is also included with the Android version of the Yoga Book. This software enables shortcut typing by predicting words you are likely to type next. By default, the software will auto-correct any typing mistakes, but you can also manually select your desired word prediction.

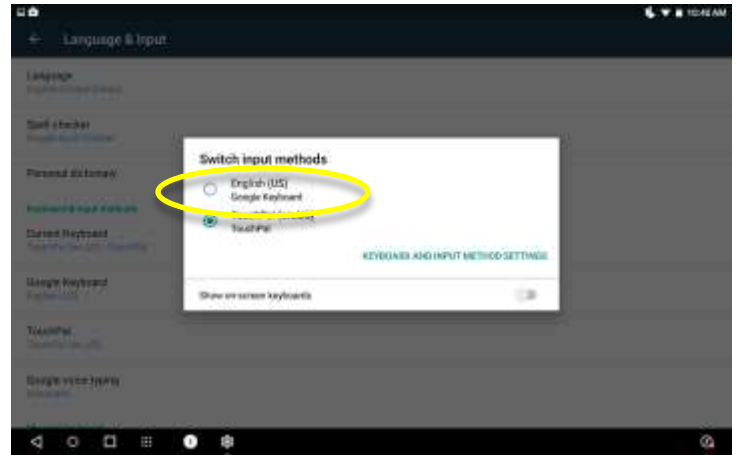


1. To select a predicted word, just type the number next to your intended word.
2. Pressing the down arrow will cycle through more options.
3. If you want to type a number instead of the next predicted word, simply press the “Fn” key along with the number you want to type (i.e., Fn + 1 in the example above will insert the number “1”, instead of “Lenovo”).

Disabling TouchPal

TouchPal prediction can be disabled if you no longer wish to use it. There are two ways to disable it.

- To temporarily disable text prediction, simply use the keyboard shortcut: *Shift + Enter*
- To disable it manually go to (as shown in image to the right):



Settings → Language & input → Current Keyboard → select the “English (US) Google Keyboard”

Supported Keyboard Shortcuts

The Halo Keyboard supports many of the typical keyboard shortcuts in both Android and Windows. See some of them below.

Key Combination	Functionality
CTRL + ALT + DELETE	Enter Lock Screen
CTRL + DOWN ARROW	Open Notification Bar (Android only)
CTRL + X	Cut
CTRL + A	Select All
CTRL + C	Copy
CTRL + V	Paste
ALT + TAB	See and choose between an open app
ALT + ESC	Instantly switch between open apps (Android only)

Ports and Connections

1. Power/Sleep
2. Volume
3. Headphone/Mic
4. Micro-USB
5. Micro-SD
6. Micro-HDMI



Appendix:

Tip: Enabling AnyPen on Android

The Yoga Book incorporates the AnyPen technology for those who want to use a stylus such as the Real Pen (without or with ink) on the touch screen. The system ships default with it off on Android systems, to turn it on: Settings → AnyPen → select “On”

