

Laptop vs. Tablet

What Should I Buy?

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Intro Survey

- Take a few minutes to answer the questions we gave you.
- Feel free to elaborate on your answers in the margins and take notes as we go along.
- There will be a question and answer session at the end of the presentation.

What's the Difference?

- **Laptop**- a portable computer, usually battery-powered, small enough to rest on the user's lap and having a screen that closes over the keyboard like a lid.
- **Tablet**- a computer that accepts input directly onto an LCD screen rather than via a keyboard or mouse.



Rules for Buying Your Next Device

- Know what you need
 - Use your answers from the survey to guide your purchase.
- Manufacturer matters
 - Find a manufacturer that has a reputation for both quality products and quality support. Even the best devices experience problems, so it's good to know you'll have a resource to use if something goes wrong.
 - Especially with Android devices, some companies are more assertive and punctual about updating their products than others.
- Price doesn't tell the whole story
 - Just because a device is expensive doesn't mean you're getting a quality product worthy of your dollar.

Specification

Laptop

Tablet

<p>Processing Power –Central Processing Unit (CPU)</p>	<p>Powerful computing processors with the necessary power to cool high-end processors.</p> <p>Most important part of the computer. (The CPU is like the brains of the computer)</p>	<p>Tablets are much more compact and cannot offer the same amount of processing power as a computer.</p> <p>Most important aspect of a tablet. (The CPU is like the brains of the tablet)</p>
<p>RAM (Random Access Memory: kind of like short-term memory)</p>	<p>Range from 4GB-32GB (or more). More RAM allows you to multitask more quickly.</p> <p>Can be upgraded.</p>	<p>Range from 1GB-8GB, but most have less than 4GB.</p> <p>Multitasking on a tablet is more difficult or can cause it to slow down.</p>
<p>Storage (like long-term memory)</p>	<p>Can be over 1 terabyte (TB). Even the most basic computer comes with a 250 gigabyte (GB) hard drive, which for many is more than enough storage for most users.</p> <p>Source: http://www.computerhope.com/issues/ch001397.htm</p>	<p>Built in storage ranging from 8GB-128 GB.</p> <p>In some cases, an expansion slot may be available for adding additional storage.</p>

Specification

Laptop

Tablet

Portability	<p>Some thinner and lighter laptops are available, but still don't match tablets.</p> <p>Performance is also sacrificed with more portable laptops.</p>	<p>Smaller and lighter (average weight is about 1lb; average thickness is .5")</p>
Battery life	<p>Average is about 6 hours.</p>	<p>Average is about 10 hours.</p>
Interaction base/user input	<p>Physical keyboard and mouse allow for more accurate typing and navigating.</p>	<p>Touch gestures can be easier to learn than keyboard shortcuts or mouse navigating.</p> <p>Typing can be more difficult.</p>

Specification

Laptop

Tablet

Screen Size	Average is about 13 inches. Bigger screens allow for better productivity.	Average is 7-11 inches.
Screen Resolution	Average pixel density is 116 pixels per inch (ppi) Larger screens need less density for a sharp display, but tablets still tend to be sharper.	Average pixel density is 218ppi. Text is easier to read and pictures are sharper, which causes less eye strain.
Operating System	Allows for use of more complex programs. A more traditional computer experience.	Built for “light” use: navigation is straightforward and quick, but programs tend to have less features.

Specification

Laptop

Tablet

Applications	<p>Applications are less diverse but built for more powerful usage and better productivity.</p> <p>Things like writing letters, spreadsheets, and editing photos and video tend to be better.</p>	<p>Apple Store, Google Play Store, & Amazon Market all have huge collections of apps for practically any purpose you can imagine.</p> <p>Functionality tends to be more basic on apps that have a PC counterpart.</p>
Cost	<p>Prices for a computer (desktop or laptop) can vary widely, depending on its capabilities, storage, and other features</p> <p>Prices can range from about \$300 to \$2000.</p>	<p>Tablets can also vary in price based on power and various features, but not as much as computers. Prices can be \$150 to \$500 in most cases, with a few models ranging up to \$600 to \$800.</p>

Suggested Laptops: \$400 or Less

Dell Inspiron 11 3000 Series 2-in-1



- **Operating System:** Windows 10
- **Hard Drive:** 500GB
- **RAM:** 4GB
- **Cost:** \$329+
- **Processor:** Intel Celeron
- **Screen Size:** 11.6 inch

Toshiba Satellite C50-BBT2N11



- **Operating System:** Windows 8.1
- **Hard Drive:** 1TB
- **RAM:** 4GB
- **Cost:** \$349+
- **Processor:** Intel Celeron
- **Screen Size:** 15.6 inch

Asus X551MAV



- **Operating System:** Windows 8.1
- **Hard Drive:** 500GB
- **RAM:** 4GB
- **Cost:** \$289+
- **Processor:** Intel Celeron
- **Screen Size:** 15.6 inch

Suggested Laptops: \$400-\$800

Toshiba Satellite P50-BBT2N22



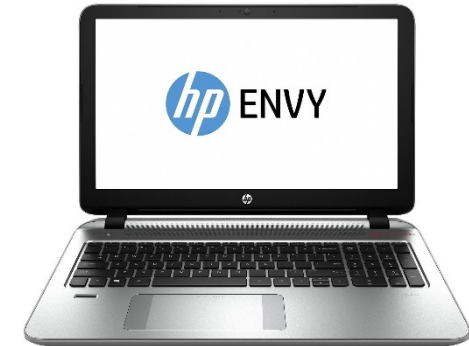
- **Operating System:** Windows 8.1
- **Hard Drive:** 500GB
- **RAM:** 8 GB
- **Cost:** \$699
- **Processor:** i7-4720HQ
- **Screen Size:** 15.6 inch

Dell Inspiron 15 7000



- **Operating System:** Windows 10
- **Hard Drive:** 1TB
- **RAM:** 6 GB
- **Cost:** \$699
- **Processor:** i5-5200U
- **Screen Size:** 15 inch

HP Envy 15t Quad Edition



- **Operating System:** Windows 10
- **Hard Drive:** 1TB
- **RAM:** 6 GB
- **Cost:** \$699
- **Processor:** i5-5200U
- **Screen Size:** 15.6 inch

Suggested Laptops: \$800+

MacBook Air 11"



- **Operating System:** X Yosemite
- **Hard Drive:** 128 GB SSD
- **RAM:** 4 GB
- **Cost:** \$899+
- **Processor:** i5
- **Screen Size:** 11.6 inch

Toshiba Satellite S55-B5268



- **Operating System:** Windows 8.1
- **Hard Drive:** 1 TB
- **RAM:** 12 GB
- **Cost:** \$830+
- **Processor:** i7
- **Screen Size:** 15.6 inch

ASUS X550JK



- **Operating System:** Windows 8.1
- **Hard Drive:** 1 TB
- **RAM:** 8 GB
- **Cost:** \$855+
- **Processor:** i7
- **Screen Size:** 15.6 inch

Suggested Tablets: \$300 or Less

Amazon Kindle Fire HDX 7



- **Operating System:** Custom Android
- **Hard Drive:** 16 GB Flash Storage
- **RAM:** 2 GB
- **Cost:** \$179+
- **Processor:** 2.4 GHz Quad-Core
- **Screen Size:** 7 inch

Lenovo Yoga Tablet 2 8 Windows



- **Operating System:** Windows 8.1
- **Hard Drive:** 32 GB Flash Storage
- **RAM:** 2 GB
- **Cost:** \$299+
- **Processor:** Intel Atom Z3745
- **Screen Size:** 8 inch

Samsung Galaxy Tab A



- **Operating System:** Android Lollipop
- **Hard Drive:** 16 GB Flash Storage
- **RAM:** 1.5 GB
- **Cost:** \$199
- **Processor:** 1.2GHz quad-core Qualcomm Snapdragon
- **Screen Size:** 8 inch

Suggested Tablets: \$300+

iPad Air 2



- **Operating System:** iOS 8
- **Hard Drive:** 16 GB
- **RAM:** 2 GB
- **Cost:** \$499
- **Processor:** A8X 64bit
- **Screen Size:** 9.7 inch

Google Nexus 9



- **Operating System:** Android Lollipop
- **Hard Drive:** 16 GB
- **RAM:** 2 GB
- **Cost:** \$367+
- **Processor:** NVIDIA's new 64-bit, dual-core Tegra K1
- **Screen Size:** 8.9 inch

Samsung Galaxy Tab S 10.5



- **Operating System:** Android Lollipop
- **Hard Drive:** 16 GB
- **RAM:** 3 GB
- **Cost:** \$423+
- **Processor:** Exynos 5 Octa 5420
- **Screen Size:** 10.5 inch

Suggested Hybrids

Microsoft Surface Pro 3



- **Operating System:** Windows 10
- **Hard Drive:** 64 GB
- **RAM:** 4 GB
- **Cost:** \$799+
- **Processor:** i3
- **Screen Size:** 12 inch

Lenovo Yoga 3 14



- **Operating System:** Windows 8.1
- **Hard Drive:** 256 GB
- **RAM:** 8 GB
- **Cost:** \$949+
- **Processor:** i7
- **Screen Size:** 14 inch

ASUS Transformer Book T300 Chi



- **Operating System:** Windows 8.1
- **Hard Drive:** 128 GB
- **RAM:** 4 GB
- **Cost:** \$497+
- **Processor:** Core M 5Y10/5Y71
- **Screen Size:** 12.5 inch

Questions?