

Tablets

Tablets are the latest trend for mobile computing. They bridge the gap between laptop computers and mobile smartphones in terms of size and functions. They are great for web browsing, email and watching movies while traveling. Many people also use them as a portable gaming platform. They can even substitute for some laptop tasks when performance is not really required

Things to be Considered

Main factors (other than the price) to be considered before purchasing a tablet are;

Screen size:

As with laptops, screen size on tablets is measured diagonally from corner to corner and usually expressed in inches.

Tablets typically fall into three categories:

- compact (5-inch to 8-inch),
- medium (over 8-inch to 11-inch) and
- large (over 11-inch).

A compact tablet is especially portable, lighter and easier to carry, as well as usually being cheaper. Medium and large tablets provide a bigger screen area that can be especially useful for productivity apps, games and web browsing.

Screen resolution:

Display resolution is expressed in pixels-per-inch (ppi) and the higher the resolution the sharper text and images will appear. The display resolution generally ranges from 1024 x 600 pixels up to 2560 x 1700 pixels. Higher resolution screens require faster processors to manipulate all those extra pixels and consume more power, affecting the device's battery life.

Storage space:

Most tablets vary in capacity from 16GB to 128GB. User can choose the storage space depends on their needs. All tablets are good for general use like checking emails, browsing the web, and streaming videos and other content over the internet, because that doesn't require much information to be actually stored on the tablet itself.

Unlike most of the tablets from Microsoft and Google, the storage in an Apple iPad cannot be upgraded using an expandable microSD card.

Online access:

Most tablets have Wi-Fi built in, and many offer a version that includes mobile broadband – 3G or 4G – for data, but that means signing up for a separate plan. The other option is a Wi-Fi only tablet. These can be used, as the name suggests, over Wi-Fi connections, but also by using your smartphone as a mobile hotspot.

Hardware connections:

Although connections are a major consideration for PCs and laptops, they're less so for tablets, most of which use a combination of Wi-Fi, Bluetooth and apps for storage and transfers. Apple tablets have little in the way of hardware connections, though some devices can be added via adapters to the tablet's dock port, or wirelessly by purpose-built devices. Android tablets generally offer more variety in hardware connections, with a USB port, HDMI-out or memory card slots for extra storage being common.

Battery life:

It is important due to the ultra-portability of tablets. Ideally, they should last a full day of normal use before need to recharge.

Processing speed (GHz):

The processing speed of your tablet, measured in gigahertz (GHz), is not such an important decision in tablet choice as it is when choosing a desktop or laptop computer. That's because

there aren't so many processor options. iPad models all have the same processor in each generation but with Android-based tablets it's very difficult to compare speeds between models due to the different processors used.

Operating System:

The OS affects which content ecosystem a user is tied to – Google Play (Android), iTunes (Apple) or Windows (Microsoft). Each has their own app store and though they might all have some of the same apps, they're not interchangeable between platforms. So if a user has an Android, an Apple and a Windows device, he/she would probably have to buy the same app three times to run it on each platform.

Apple's iOS:

Apple boasts more than a million apps in its App Store, with around half that number having iPad-specific versions.

Google's Android OS:

Android is available on a wide range of tablets from different manufacturers, so you have a wide choice of hardware with now as many apps

Microsoft:

The full Windows 10 environment is available on most Microsoft tablets and two-in-ones, so you can easily use existing Windows programs. There is also a cut down version (Windows 10 in S Mode) which you can use and upgrade to the full version but only once.

Choosing the Right Tablet

The Government organizations can choose the right Tablet according to their requirements, level of usage and the price.

- **Entry level**
If a Government organization requires a cheap Tablet for basic tasks such as checking emails, using social media sites and browsing the web, and perhaps for reading documents and basic research and are not overly concerned about performance, can use the Entry Level Tablets.
- **Mid-range**
Mid-range Tablets are specially designed for business or office use and it has more processing power that supports multitasking and more RAM to ensure the programs and applications run smoothly.
- **High-end**
High-end Tablets are ideal for the people who demand the very best from their technology, need critical processing to feed information to systems, look for a model that will run large media files efficiently. This may include features such as a powerful processor, more RAM (or memory), a larger screen, better screen resolution, and enhanced audio quality.

Specifications for Tablets

Entry Level

Item	Minimum Requirement	Bidder's Response	
		Yes/No	If "No", Bidders Response
Brand	(Specify)		
Model	(Specify)		
Country of Origin & Country of Manufacture / assembly	(Specify)		
Processor	Quad-Core 1.3GHz or better		
Chipset	(Specify)		
Network Support	(Specify)		
Wi-Fi	Wi-Fi 802.11 ac Dual band		
Bluetooth	Version 4.0 or better, A2DP		
Memory	Card slot: Micro SD support up to 64GB, Internal: 8GB or better RAM: 1GB or better		
Display	7.0" or above capacitive multi touch or better 16 million colors 170 pixels per inch or better		
Camera	Specify		
Video	HD Video playback (720p)@30fps		
Video Codec	Specify		
Audio	Specify		
Speakers	Yes		
Input/output ports	USB 2 or better 3.5mm Stereo headphone jack		
Operating System	Android Version 6.0 or better		
GPS	Yes		
Browser	(Specify)		
Battery	Built-in 3100mAh or Better		
Sensors	Accelerometer, gyro, proximity, Compass		
Manufacture Experience	Manufacturer should have minimum of ten years' experience in manufacturing of the same brand. (Proof document should be attached)		
Bidders Experience	The bidder should have successfully sold same similar product for last 3 years (Bidder should provide documentary evidence to support the above)		
Manufacturer Authorization Certificate	Manufacturer Authorization Certificate should be provided (Originals should be provided on request)		

Warranty	<p>Comprehensive on-site manufacturer authorized warranty for 36 months (Labor & Parts) Excluding Consumes.</p> <p>Bidder or its parent company or its subsidiary should have Island wide owned branch network</p> <p>Documentary evidence to be provided of the following under bidders' name.</p> <p>(a) Address, Contact Details & Date of Commencement of each branch/regional office (Should have completed minimum of 5 years from the Date of Commencement of each ranch/regional)</p>		
Warranty Information	<p>A sticker with</p> <ul style="list-style-type: none"> -Supplier name -Contact Numbers -Date of Commissioning of Hardware -Warranty period <p>On all tabs</p>		
Brochure	<p>Supplier should provide brochure of make/model quoted as per above specification</p>		

Mid-Range

Item	Minimum Requirement	Bidder's Response	
		Yes/No	If "No", Bidders Response
Brand	(Specify)		
Model	(Specify)		
Country of Origin & Country of Manufacture / assembly	(Specify)		
Processor	Quad-Core 2.0GHz or better		
Chipset	(Specify)		
Network Support	2G Network: GSN 850/900/1800/1900 3G Network: HSDPA 850/900/1900/2100 4G Network: LTE 800/900/1800/2000 LTE 850/2100		
Wi-Fi	Wi-Fi 802.11 ac Dual band		
Bluetooth	Version 4.2 or better, A2DP		
Memory	Card slot: Micro SD support up to 128GB, Internal: 16GB or better RAM: 3GB or better		
Display	7.1" or above capacitive multi touch or better 16 million colors 350 pixels per inch or better		
Camera	Specify		
Video	Full HD Video playback (1080)@30fps		
Video Codec	Specify		
Audio	Specify		
Speakers	Stereo Speakers		
Input/output ports	USB 3 or better 3.5mm Stereo headphone jack		
Operating System	Android Version 8.0 or better		
GPS	With A-GPS, GLONASS		
Browser	Android Browser with JAVA MIDP and HTML5		
Battery	Built-in 4800mAh or Better		
Sensors	Accelerometer, gyro, proximity, Compass		
Manufacture Experience	Manufacturer should have minimum of ten years' experience in manufacturing of the same brand. (Proof document should be attached)		
Bidders Experience	The bidder should have successfully sold same similar product for last 3 years (Bidder should provide documentary evidence to support the above)		
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High-end

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		Yes/No	If "No", Bidders Response
Brand	(Specify)		
Model	(Specify)		
Country of Origin & Country of Manufacture / assembly	(Specify)		
Processor	Octa-Core 1.8GHz or better		
Chipset	(Specify)		
Network Support	2G Network: GSN 850/900/1800/1900 3G Network: HSDPA 850/900/1900/2100 4G Network: LTE 800/900/1800/2000 LTE 850/2100		
Wi-Fi	Wi-Fi 802.11 ac Dual band		
Bluetooth	Version 4.2 or better, A2DP		
Memory	Card slot: Micro SD support up to 256GB, Internal: 32GB or better RAM: 3GB or better		
Display	10" capacitive multi touch or better 16 million ,FHD, colors 350 pixels per inch or better		
Camera	Specify		
Video	Full HD Video playback (1080)@30fps		
Video Codec	Specify		
Audio	Specify		
Speakers	Stereo Speakers		
Input/output ports	USB 3 or better 3.5mm Stereo headphone jack		
Operating System	Android Version 8.0 or better		
GPS	With A-GPS, GLONASS		
Browser	Android Browser with JAVA MIDP and HTML5		
Battery	Built-in Li-Po 4800mAh or Better		
Sensors	Accelerometer, gyro, proximity, Compass		
Manufacture Experience	Manufacturer should have minimum of ten years' experience in manufacturing of the same brand. (Proof document should be attached)		
Bidders Experience	The bidder should have successfully sold same similar product for last 3 years (Bidder should provide documentary evidence to support the above)		
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Content References:

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- <https://www.cnet.com>
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