

Published based on [Web Hosting Bandwidth Information](#)

# Web Hosting Bandwidth Information

There is a lot of talk regarding bandwidth, most likely, you've heard this term at your web hosting company. Although there are many ways to describe bandwidth, it can be seen as the size of data that goes between two separate ends of an internet network link (i.e. from your web host to your computer). Bandwidth is one of the most important topics for a web host to discuss and its size is measured per second, in bits. How much bandwidth is used by a site varies depending on the services it offers. A site like a forum where there is a lot of scope for people to chat and interact will require more bandwidth than non-interactive sites. The more options a person has to interact on a site, the higher the bandwidth usage is likely to be. All of these options mean there is a larger amount of data being used and more people visit the site more often when compared to a standard website.

It may help to break down how you can calculate your monthly website usage and this can be done very simply. The first step should be determining how much bandwidth your website uses, for calculation sake, let's say 20KB. The next step is to work out how many visits your site has per day, which for simplicity sake we shall say is ten hits. This calculation means your daily usage equates to  $20 \times 10$ . To get your monthly usage, you simply multiply your daily usage by the number of the days in the month. An important thing to remember is that some providers may list the bandwidth in bytes as opposed to bites.

1 byte is the equivalent of 8 bits and 1 kilobyte is the equivalent of 1024 bytes.

Another thing that can cause an ineffectual use of bandwidth is a vast number of pictures or a lot of user comments or remarks. It also makes sense that a person who has heavy usage on the internet including products that have a large size will invariably use a huge amount of bandwidth. This places a huge deal of importance on getting the right website from your web provider. The greater amount of visual, audio and graphical that is on a website, the greater the need for bandwidth will become. It is not always possible for a website provider to live up to the promises they make, so it is important to research them properly. As in all walks of life, having a provider who can meet all your needs is an important aspect when choosing your website host.

Determine the amount of bandwidth you need

Is it easy to calculate how much bandwidth your website will need? There are different areas to consider but at the top of your list must be the mathematical and technological considerations. Other influences will also include your proposed content and hopes for future projects. Being able to have an excess amount of bandwidth to cover emergencies or expansion is vital to many web users. This is why it is very important to consider how much bandwidth you will expect to use before you meet with web host providers. This will give you a starting point before you talk to the provider but they will be able to offer you assistance with this topic also. Be aware that the vast majority of web providers bundle their bandwidth usage per month and knowing this can help you plan ahead. Most firms will total their bandwidth in this manner:

Average number of times a page is viewed multiplied by the average number of visitors to your site on a daily basis multiplied by a variable factor multiplied by how many days in a month, with 30 being a good average.

To ensure the best use of your site, many website owners decide to offer a larger amount of bandwidth and an equation for this would be:

Adding the sum of the amount of visitors per day times how many times a page is looked at times the size of the web page and adding it to the number of files that retrieved from your site by the average size of the file will give the first half of the equation. This figure can then be multiplied by the largest number of days possible and a fudged figure to get the answer.

Note: All these are measured based on average data.

Relation between bandwidth and traffic:

Bandwidth and traffic are closely interlinked with each other. Visitors can experience best the bandwidth as they are the people who carry out various activities with the websites. If a visitor wants to download an MP3 file from a website into the computer, then 4MB traffic is created between the website and the user's computer. If the user

is having a fast internet connection then the file won't take much time to get downloaded and hence the bandwidth consumed in the process would be low. The reverse happens if the internet connectivity is poor. Traffic is measured by the number of bits that are transferred on network connections.

How to cut down bandwidth usage?

It might happen suddenly that you receive a monthly bill for hosting that brings perspiration on your forehead. The hosting company justified the bill explaining that the monthly minimum bandwidth usage has been exceeded for your website and asks you to bring down the file size in your website. You are at a fix and simply do not know what would be your send stand.

Every website is comprised of a number of files and each file on the website takes up so much space. If a visitor to your website comes along and uses these files, this will increase your bandwidth usage. As it is your website, you have the option to control aspects on your website and it is possible to alter how often a file gets used. By limiting the number of images or downloadable items you have available on your site, you can further reduce the bandwidth that is being used on your site. Considering that these files can have a huge size and if they are being downloaded by many users, the overall impact on your bandwidth usage can be very damaging. Altering certain things on your website can also help to reduce its use. For instance, if there is an image or file on your website that is downloaded every time a visitor hits your site, there will be an excessive amount of bandwidth being used. The first action may be to remove the offending file but if this is not an option open to you, you may wish to lower the size of the file. If you are able to do this, you should be rewarded with a lower bill the following month from your bandwidth provider. Another way to look at reducing your bandwidth use is to check for cascading style sheets as they are able to make the size of your HTML files much smaller.

Handy hints for your bandwidth:

- \* Keep an eye on your website and organize a running total of how many visitors are using your site and make a prediction of how many will come in the next few months. Being equipped with a rough guide for your monthly use can reduce any shocks that come in your next bill.

- \* There are options to buy un-metered bandwidth hosting. In such a plan you are charged higher than any normal shared or dedicated hosting plan and in return the usage will be unlimited. The host won't monitor the bandwidth rating which is reflected on the left hand side of the control panel.

- \* Be sure to keep a note of any alterations that are made to your website. Knowing the up to date size of your site will allow you to accurately forecast your bandwidth usage and bills.

- \* Try to cut down the inputs from any visitors on your sites. Allow only selected visitors to make comments on your website.

- \* Be sure to communicate regularly with your web provider and seek their advice on how best to maintain or improve your website. Not every change will lead to a rise in the amount of bandwidth your site uses but there can be positive impacts as well. By removing any files that are no longer deemed necessary can free up bandwidth to be used for other purposes.

- \* Rather than hosting things like Java Script within your site, try having them hosted with an external agent.

- \* If you resize any of your graphics or logo, remember to refresh and upload to ensure your bandwidth usage is kept to a minimum.

The final words:

It is your web host that can guide you best on bandwidth. Selection of the right web host can matter if you want a proper guidance on web hosting services. The structure and the content of the WebPages would definitely determine the bandwidth expenses. But the effective guidance from the web hosts can equally help you on this

regard. Bandwidth theft is a common practice in which the people use other sites images by simply linking them with another page. Such practices, without notice, can be punishable and should not be practices. So if you are a novice, and your website owner advises you on this then always try to avoid. Before discussing with the web host regarding bandwidth and always better to make a study and some research on bandwidth. Your website developers can also guide you extensively in informing about the techniques to save bandwidth.

**About the author:** Sick and tired of over-hyped [web hosting](#) companies that have terrible uptime? Get the uptime reports and real user reviews you need to find the [top hosting companies](#) at [www.webhostingmadness.com](http://www.webhostingmadness.com).

You can also find this article published on [Web Hosting Bandwidth Information](#), and on the tag pages [best hosting companies](#), [best hosting company](#), [best hosting provider](#), [Hosts](#), [top 10 hosting](#), [top 10 hosting companies](#), [top hosting 2011](#), [top hosting companies](#), [top hosting company](#), [top ten web hosting](#), [top web hosting companies](#).