



HIGH BANDWIDTH UNMETERED SERVERS

Powering Possibilities



OVERVIEW

When your project demands unmetered dedicated servers with high bandwidth, offering speeds of up to 20Gbps, your first choice should be ServerMania High Bandwidth Servers.

Our High Bandwidth Server offering has been engineered from the ground up to meet the needs of industries such as cloud computing, media and entertainment, finance and trading, and big data.

These servers are connected to top-tier network carriers with redundant and diverse network routes to deliver exceptional performance for your business.

sales@servermania.com



THE BENEFITS

OF TIER 1 NETWORKS



Tier 1 network carriers are ideal for high bandwidth applications. They are the biggest networks geographically and have the highest global reachability. Tier 1 providers can reach any internet region without paid agreements with other network carriers.

Every high bandwidth server includes:



Up to 2x10 Gbps
Network Speeds



100% Network
Uptime SLA



Personalised
24x7 Support



Dedicated KVM for
Instant Reboot and
Custom OS Install



Global Data Center
Locations



Enterprise Grade
Hardware



Custom Hardware
Configurations



Unmetered Bandwidth
Available

[VIEW SERVERS](#)

Tier 1's also help negate DDoS attacks by providing multiple bridges from your intranet to the internet so that there is no single bottleneck.

WHICH BUSINESSES BENEFIT MOST FROM HIGH BANDWIDTH SERVERS?



While nearly every business can benefit from additional network capacity, there are a few use cases that are especially tailored to high bandwidth servers:



Cloud Computing

High bandwidth servers play a pivotal role in enhancing the efficiency and responsiveness of cloud computing infrastructures. [Cloud services](#) involve the rapid exchange of vast amounts of data between servers and end-users. With high bandwidth servers, the speed of data transfer is significantly increased, enabling faster access to applications, storage, and computational resources. This results in reduced latency and improved overall performance, offering users a seamless and responsive experience when accessing cloud-based services.

Moreover, high bandwidth is essential for supporting the scalability of cloud environments. As demand for computing resources fluctuates, the ability to quickly scale up or down is critical. High bandwidth facilitates the smooth and rapid deployment of virtual machines, the transfer of large datasets, and the efficient distribution of workloads across servers. This scalability ensures that cloud providers can meet the dynamic and evolving needs of their users, enhancing the flexibility and cost-effectiveness of cloud computing solutions.

Worldwide Public Cloud revenue amounted to US \$334 billion in 2021 and is expected to continue growing at a high rate to reach US \$835 billion by 2027.



Media and Entertainment

High bandwidth servers are instrumental in revolutionizing the Media and Entertainment industry by facilitating the swift and seamless delivery of rich multimedia content. With the exponential growth of [streaming services](#), high-definition videos, and virtual reality experiences, the demand for high bandwidth has become paramount. High bandwidth servers ensure that users can access and enjoy media content without buffering or lag, providing a smooth and immersive entertainment experience. Whether it's streaming movies, online gaming, or virtual reality applications, high bandwidth servers contribute to reducing latency and enhancing the overall quality of content delivery.

Additionally, in the Media and Entertainment sector, collaboration and content creation often involve working with large files, such as high-resolution videos and graphics. High bandwidth servers enable content creators to efficiently upload, download, and edit these sizable files, fostering collaborative workflows and speeding up production cycles. This not only improves the efficiency of content creation but also allows for quicker distribution and release of high-quality media content to a global audience.

Ad-supported video-on-demand (AVOD) revenue worldwide is set to surge in the next few years and surpass US \$69 billion dollars by 2029.

WHICH BUSINESSES BENEFIT MOST FROM HIGH BANDWIDTH SERVERS?



Finance and Trading

The finance industry reaps substantial benefits from high bandwidth servers, particularly in the realm of high-frequency trading (HFT). In this fast-paced environment, split-second decisions can make a significant impact on financial outcomes. High bandwidth servers or [blockchain solutions](#) enable the rapid transmission of market data, allowing financial institutions to execute trades with minimal latency. The efficiency gained through high-speed data transfer is crucial for maintaining a competitive edge in the dynamic and volatile world of financial markets, where timely execution can be the key to success.

Furthermore, high bandwidth servers enhance the overall performance of financial systems by supporting the swift and secure exchange of vast amounts of data, including transaction records, customer information, and market analyses. This not only improves the speed of financial transactions but also ensures the reliability and security of sensitive financial data. High bandwidth servers are essential in powering the backbone of financial infrastructure, enabling real-time processing, seamless connectivity, and the delivery of financial services that meet the demanding requirements of today's global financial markets.

Neobroker revenue in the United States is forecasted to continuously increase between 2023 and 2027 by US \$252.2 million dollars (+15.54 %).



Big Data

High bandwidth servers or [server clusters](#) are indispensable in the realm of big data, where the processing and analysis of massive datasets require swift and efficient data transfer. Big data applications, such as analytics, machine learning, and data mining, involve handling enormous volumes of information. High bandwidth servers enable the rapid movement of data between storage systems and processing units, reducing latency and accelerating the overall data processing pipeline. This enhanced speed is critical for organizations looking to extract valuable insights and make informed decisions from their vast and diverse datasets.

Moreover, the scalability of high bandwidth servers is crucial for accommodating the growing demands of big data applications. As data volumes continue to expand, the ability to quickly scale up the network infrastructure is essential. High bandwidth not only facilitates the smooth transfer of large datasets but also supports parallel processing, enabling organizations to harness the full potential of distributed computing frameworks. In essence, high bandwidth servers play a pivotal role in optimizing the performance and scalability of big data systems, empowering businesses to derive meaningful insights from their data resources.

The global big data market is forecasted to grow to US \$103 billion dollars by 2027, more than double its expected market size in 2018.

Each of our data center locations features up to 20Gbps in network connectivity using Tier-1 network carriers to power even the most demanding projects.



New York City Metro

ServerMania's New York City Metro data center is the perfect choice for applications that demand the ultimate in low-latency connectivity and redundancy. Our New York data center is a tier 4 facility, delivering the most redundant infrastructure across all system components including power, networking, and cooling. With Tier 1 network carriers, this facility is ideal for ForEx and other latency-sensitive applications with direct connectivity to New York City, North America, and beyond.

Network Carriers: Zayo, Cogent, Any2, NYINX

[More Details](#)



Los Angeles

Our Los Angeles, California data center offers some of the best cross-Pacific network connectivity in North America. Whether you need to hook your services up to China or Japan; South Korea or Singapore, we've got you covered. The ultra high-grade infrastructure of the facility further means we can provide you with the quality of service you deserve - and at a price that won't break the bank. Even better, we can offer direct conduit access to 1 Wilshire's Meet-Me-Room, meaning you can hook your hosting package up to any carrier you desire.

Network Carriers: Zayo, Cogent, Any2, LAINX

[More Details](#)



Montreal

Established to cater to the demanding requirements of large IT businesses, ServerMania's Montreal data center is a 10,000 sq. ft. facility - part of a larger 790,000 sq. ft. total space - located on Nun's Island in Montreal, Quebec. This data center offers low latency and high throughput network access to North America and Europa, including access to the Montréal Internet Exchange (QIX). The large capacity gives your business the room to scale to any size together with ServerMania. Hosting in Montreal will lower your carbon footprint significantly, through the data center's use of renewable and green hydroelectric power.

Network Carriers: Zayo, Cogent, LINX

[More Details](#)

UNMETERED SERVER

OPTIONS



We are continuously adding new servers to our high bandwidth, unmetered server offering. Here are a few of our more popular configurations:

CPU	CORES	RAM	STORAGE
Xeon E3-1270v6	4 x 3.8 GHz	32 GB	500 GB SSD
Xeon E-2236	6 x 3.4 Ghz	64 GB	1 TB SSD
AMD Ryzen 7600X	6 x 4.7 GHz	64 GB	1 TB NVMe
Intel Xeon W-1290P	10 x 3.7 GHz	64 GB	1 TB NVMe
AMD Ryzen 7950X	16 x 4.5 GHz	64 GB	1 TB NVMe
2x Intel Xeon Silver 4214R	24 x 2.4 GHz	64 GB	1 TB NVMe
AMD Epyc 7642	48 x 2.3 Ghz	128 GB	1 TB NVMe

[VIEW ALL SERVERS](#)

Need a custom configuration? Contact our sales team and we would be happy to create a custom quote based on your requirements.

WHY

SERVERMANIA



"We have a very specific cost-to-performance metric. While our goal has always been consistent it was not achievable until we deployed to ServerMania. That ratio is critical to our success and ServerMania was instrumental in helping us to achieve it."

Rick Lunetta
CTO, Visual Clinic

ServerMania is the trusted server hosting provider of thousands of brands, providing the infrastructure that supports businesses from boutique eCommerce stores to the largest enterprise apps and services.

Many of our customers have been with us for years. We are a trusted partner, empowering server hosting customers with unparalleled support, cutting-edge infrastructure, and our commitment to building tailored solutions that fit the unique needs of each customer.

[READ THE CASE STUDIES](#)



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