

Thin Client - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

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Report description:

The Thin Client Market size is estimated at USD 1.38 billion in 2025, and is expected to reach USD 1.53 billion by 2030, at a CAGR of 2.1% during the forecast period (2025-2030).

The market for thin clients is expected to increase in the forecast period mainly because of its advantages, i.e. cost savings and reduced energy consumption, centralisation and ease of management as well as increased infrastructure security offered by these devices.

Key Highlights

- Various industries seek low-cost devices that significantly decrease desk space and offer an easy replacement/upgrade for conventional systems. The thin client systems qualify for these requirements. They can also reduce energy consumption over a period, which is the primary reason for the increasing demand for devices across various industries.
- The healthcare industry is also witnessing an extensive adoption of devices as a computing solution, owing to their security benefits. In contrast, the IT and telecom industry is installing these devices primarily to facilitate the development of a virtual network. Implementing thin client devices in enterprises or other areas can provide better security-related advantages, as they limit the user from any intrusion in a local machine setting. This application renders the system more secure and protected.
- Various educational institutions, such as colleges, research institutes, and labs, are increasingly adopting thin client solutions to control the monitors centrally at the IT control department, thereby reducing energy consumption. These devices also decrease the cost of system upgrades and the time consumed in setting up the PC or laptop at each login.
- The increasing growing adoption of cloud computing is also driving market growth. Several organizations use cloud computing to reduce costs and access the data and applications not installed on the computers or servers. Clouds emerged as an infrastructure that may enable the rapid delivery of computing resources as a utility in a dynamically scalable and virtual manner. Various

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organizations across the world are moving to a hybrid and multi-cloud environment. A thin client contributes to a comparatively less expensive and secure hardware solution, driving the market's growth.

- With the rising adoption of workspace-as-a-service (WaaS) in several enterprises, the market is anticipated to witness augmented demand during the forecast period. WaaS is a desktop virtualization used by multiple organizations to provide their employees access to applications remotely. However, network issues in developing countries for cloud computing are expected to restrain the growth of the studied market.

- Energy companies operating in a geopolitically sensitive industry face frequent cyberattack targets, especially from foreign governments. However, using the cloud as a base for desktop virtualization allows sensitive information to be stored centrally, and authentication policies can be set to secure the cloud environment. This factor is anticipated to generate demand for the thin client market.

- Over the last decades, there has been an increasing trend of remote work. But the effect of COVID-19, which has dramatically accelerated this trend during a very brief period but forced companies regardless of size to adjust quickly to selfisolation measures called for by governments around the world, is rapidly accelerating it. With the pandemic requiring more people to be working remotely, the concern regarding the security of data sharing among employees increased. This has been driving the adoption of the demand for thin-client devices.

Thin Client Market Trends

The Healthcare Segment is Expected to Drive the Market's Growth

- Healthcare providers are stringent in offering the highest standards of patient care. They are acutely attuned to the technologies they use to improve the patient experience at every stage of care. From admissions to the emergency room to rehabilitation and outpatient care, the technology can significantly impact patient outcomes and critically impact providers' productivity and operational costs.

- This holds especially true for the ubiquitous desktop computing infrastructure across the healthcare domain. The legacy desktop PC model, data, and applications reside locally on individual PCs distributed across the network, often yielding a cluster of individually configured and managed PCs. These are associated with sensitive patient data, often with little to no parameter uniformity.

- However, with thin clients, data and applications are remotely administered, stored, and centralized in the data center or cloud infrastructure. The thin client is simply the access portal, giving administrators and clinicians immediate access to their applications and patient data as their credentials allow.

- By the nature of their architecture, thin clients offer various security advantages to help ensure compliance with HIPAA and other healthcare regulations while minimizing exposure to security threats. Authorized user access to cloud-based data and applications is strictly controlled via user authentication and permissions verification. USB/port protections, smart cards, and firewalls can further augment these security measures.

- Although the industry is currently transitioning into digitization, it has been notoriously recognized to be resistant to changes since any failure of unreliable technology translates into issues that affect patient health. Any deviation from predetermined workflows can adversely affect a hospital's operations. Despite the hesitancy, the industry must accelerate technology adoption to remain compliant with the constantly changing regulations and agreements.

- Such needs have encouraged robust partnership structures designed around maximizing offering capabilities. For instance, in March 2023, Stratodesk, the pioneer of securely managed endpoints for modern workspaces, announced that several LG Business Solutions Thin Clients are now certified with Stratodesk NoTouch OS, providing IT teams with The confidence and flexibility to deploy turnkey systems in both private and public cloud environments.

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North America is Expected to Hold a Major Market Share

- North America is expected to dominate the market, primarily due to the main factors such as the increasing adoption of cloud technology and highly technology-oriented products, which require activity and flexibility. IT support is available to the majority of companies in the region. The presence of market leaders, a significant number of cloud service providers, and an increasing number of hosted servers in the area are essential contributors to the market's growth in the region.
- The organizations in the region are early adopters of new technologies, which is the primary driving force behind the region's dominance. Large cloud service providers play a significant role in the region's growth of cloud-based thin client deployment.
- In broadcasting, cloud computing and virtualization are playing an increasing role. Virtual machines and computers that can be remotely controlled through network protocols may provide an optimum complement to the physically available equipment on site.
- The North American IT and telecommunications industry is one of the largest among other regional markets. Industries such as banking, healthcare, and government organizations, which handle a large amount of sensitive information, are looking forward to adopting thin client solutions. They can preserve the integrity of the intellectual property better than a fat client.
- This strong position can be attributed to the presence of several well-established thin client solution providers within the country. Notably, a recent partnership between HP Inc. and Citrix aims to deliver secure and efficient thin client solutions, focusing on enhancing remote work capabilities and seamless access to all virtual desktops and applications.

Thin Client Industry Overview

The thin client market is fragmented and highly competitive due to the presence of many large players in the market providing products in the domestic and international markets. The market appears to be mildly concentrated, with the key players adopting strategies like product and service innovations, partnerships, mergers, and acquisitions to extend their geographic reach and stay ahead of the competitors. Some of the major players in the market are Dell Inc., H.P. Development Company LP, Samsung Group, and L.G. Electronics Inc.

- November 2023 - AWS has announced the launch of Amazon WorkSpaces Thin Client to Revolutionize Enterprise Workspaces and offers quick and reliable access to business applications, catering to customer service, technical support, and healthcare sectors.
- August 2023 - LG Electronics Inc In addition to simplifying expansion, it has launched a series of thin clients in 2023 called CQ which are designed for extended product life, superior safety, high performance, easy connectivity and substantial energy savings that can improve efficiency and productivity. The thin client provides healthcare facilities with an endpoint which delivers reliable performance, strong data protection and a secure virtual desktop experience that can be easily implemented and managed.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

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