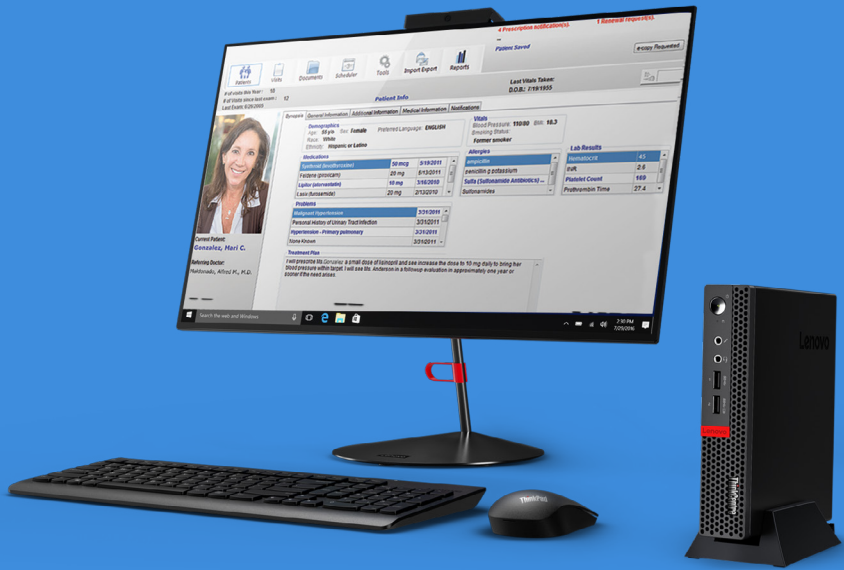# VDI in Healthcare — Secure Data Access for Better Patient Care

Healthcare IT staffs are pressed to maximize resources and improve security, turning to technology to help achieve this goal.

Virtualized desktop infrastructure (VDI) can help. With VDI, healthcare organizations can improve the quality, speed and privacy of patient care by realizing increased productivity, cost savings and improved workflow efficiency.

Simplified end-user experience.
Clinicians and staff who use multiple devices can efficiently and securely log on to their virtual desktop from any number of devices at any time, while providing a consistent experience and familiar interface.

Greater security.
Applications and data reside in a central repository for greater data protection in the event of a loss, theft or device/network breach.

Cost savings.
Increased productivity and decreased infrastructure-based fees contribute to immediate and long-term cost savings.

Data center efficiencies.
VDI as part of a hyperconverged infrastructure can be an integrated component of a data center where private cloud enables functional efficiencies.

VDI Solution: Front-End Overview

The ThinkCentre® M625q Tiny, powered by AMD 7th Generation processors

Can be deployed anywhere across the healthcare enterprise, especially where space is at a premium.

It offers a remarkable upgrade in power and enhanced data capabilities, including handling the rich content and large files associated with patient data.

- AMD 7th Gen A9-9420e processor
- Supports up to 3 independent displays, with AMD Eyefinity Technology
- Provides PCIe SSD storage that's up to 80% faster than previous technologies
- 1 DDR4 1866Mhz maximum 8GB (4/8)
- Up to 32GB SSD
- 4 USB3.0 ports for quick charging of USB devices
- WiFi NFA344 QCA6174A 2x2ac+BT4.0 M.2 Combo RTL8822BE 2x2AC WiFi+BT4.1 M.2 Combo
- Energy Star 6.1 EPEAT® Gold UL Green Guard®

Lenovo LTM™ Thin Client Management Software Suite

- Manage groups of thin clients, whether operating in simple or complex environments
- Browser-based management solution

Health
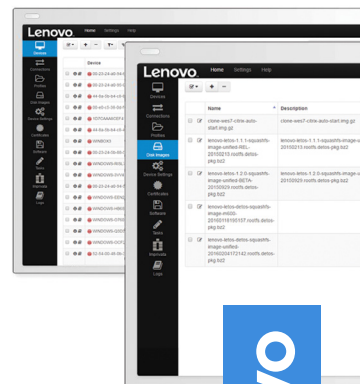
Lenovo

The Right Solution

Lenovo servers are at the heart of VDI — Lenovo best-in-class hardware, partnered with Nutanix, delivers the Converged HX Series for the best VDI experience.

Lenovo Health

NUTANIX™

VDI Solution: Back-End Infrastructure Overview

Lenovo + Nutanix Converged HX Series Servers, powered by the latest Intel® Xeon® processor

Ideal for all virtual applications, the HX Series delivers extreme reliability, dependable security, extensive and predictable scalability, simplified management and faster time-to-value — with Nutanix's industry-leading software integrated on Lenovo enterprise server platforms.

Bolstered IT infrastructure performance.
Unique performance architecture maximizes resource availability. Log-ons are faster and data access is accelerated for high-speed delivery of EMR, PACS and other data-intensive applications.

Improved disaster recovery capabilities.
HX Series delivers exceptional disaster recovery and business continuity. Patient data is protected via full replication, with greater alignment with HIPAA compliance.

Lower TCO.
HX Series platform eliminates the expense and management overhead of SAN and NAS arrays. Pay-as-you-grow model supports data retention requirements and eliminates major CapEx hits. And reduced time to deploy also saves organizations money.

Licensing.
Lenovo partners with leading providers to help identify the best fit for your healthcare organization's specific needs.

Device in Detail

	HX3510	HX5510	HX7510
Perfect for:	Deployments focused on compute-heavy environments	Storage-heavy workloads such as file servers, Splunk and data center backups	High-performance workloads such as Microsoft Exchange, Microsoft SharePoint and databases like Microsoft SQL Server
Processor:	Intel® Xeon®	Intel® Xeon®	Intel® Xeon®
Key Features:	Features a strong mix of 4 SSDs and 3 HDDs to support generalized virtualization workloads such as web servers and VDI	Strong storage platform is enabled by the following SSDs: 2x 480GB, 2x 800GB, 2x 1200GB, 2x 1600GB	Performance is enabled by high-end processors, four SSDs to support larger workloads and 20 x 1TB, 20 x 2TB HDDs

**Intel Inside.®
Powerful
Productivity
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