Unlock a better EHR experience with the right hardware solutions
Contents

Introduction
Hardware guidelines for Hyperdrive
Desktop workstations for an endpoint install of Hyperspace or Hyperdrive
Mobile solutions for an endpoint install of Hyperspace or Hyperdrive
Consider thin clients
Home health mobile solutions
Tablets and Epic apps
Lenovo Health services and support
Give your EHR the performance it deserves

Healthcare organizations invest considerable resources when implementing an EHR platform: capital outlay, staff education, and maintenance, to name a few. You need technology solutions and systems compatible with your new platform to increase ROI, improve efficiency, and help deliver better patient care.

Lenovo Health solutions complement your Epic EHR system to maximize your investment. Our innovative, customized endpoint solutions are compatible with the standards and criteria of EHR systems, like Epic, used by the majority of care delivery organizations. They deliver the seamless integration that helps improve patient engagement and clinician experience.

POWERING THE FUTURE
With the introduction of Hyperdrive, Epic is evolving and improving on today’s EHR systems. Hyperdrive is a web-based framework built from the ground up to replace Epic’s Hyperspace application client. Lenovo is working with Epic to ensure that healthcare organizations thrive today and are ready for what’s ahead. We have a range of solutions to enable your Epic environment.
Hardware guidelines for Hyperdrive

As healthcare systems begin to access hyperspace via the hyperdrive browser, it’s important to make sure your hardware meets the new application’s requirements.* Whether you are purchasing new hardware or accessing hyperspace on existing hardware, following Epic’s recommendations will ensure system compatibility and performance. The solutions featured in the following pages meet these guidelines.

**IF YOU ARE PURCHASING NEW HARDWARE FOR AN ENDPOINT INSTALL OF HYPERDRIVE**

- **Processor**
  - 11 or 12th Gen Intel® Core™ processor with minimum 4 cores @ 4.2 GHz max turbo frequency or greater, for example: i5-11500 or i5-12500
  - For 12th Gen - 4 Performance Cores
  - AMD Ryzen 5 or 7 PRO 5000 series processor with minimum 4 cores @ 4.2 GHz max boost frequency or greater, for example: Ryzen 5 PRO 4650G or Ryzen PRO 5650G

- **Memory**
  - Minimum 16GB

- **Display**
  - 24" FHD 16:9 or 16:10 monitor

- **Network**
  - Wired gigabit ethernet or 802.11ac Wi-Fi or better

**IF YOU ARE USING EXISTING HARDWARE FOR AN ENDPOINT INSTALL OF HYPERDRIVE**

- **AMD systems**
  - AMD Ryzen 5 or 7 PRO 3000 series or later generation processor with minimum 4 cores @ 4.2 GHz max boost frequency or greater

- **Intel systems**
  - 7th Gen Intel® Core™ processors or higher with minimum 4 cores @ 3.6 GHz max turbo frequency or greater**

---

* For details, see these documents on Epic Galaxy: Epic Workstation Purchasing Guidelines, End User Hardware Considerations

** Some older processors are not certified for Windows 11
## Desktop workstations for an endpoint install of Hyperspace or Hyperdrive

<table>
<thead>
<tr>
<th>GOOD</th>
<th>MODEL</th>
<th>PROCESSOR</th>
<th>MEMORY</th>
<th>DISPLAY</th>
<th>ADDITIONAL FEATURES</th>
</tr>
</thead>
</table>
|      | ThinkCentre M75q Tiny Gen 2 | AMD Ryzen 5 PRO or greater (for Hyperdrive) | 8GB min, 16GB rec | 1920x1080 or 1920x1200 | • Support up to 3 monitors  
• Add USB ports and lock/restrict them  
• Power remotely from keyboard |

<table>
<thead>
<tr>
<th>BETTER</th>
<th>MODEL</th>
<th>PROCESSOR</th>
<th>MEMORY</th>
<th>DISPLAY</th>
<th>ADDITIONAL FEATURES</th>
</tr>
</thead>
</table>
|        | ThinkCentre M70q Tiny Gen 3 | Intel i5 12th Gen or greater | 8GB min, 16GB rec | 1920x1080 or 1920x1200 | • Support up to 4 monitors  
• Add USB ports and lock/restrict them  
• Power remotely from keyboard |

<table>
<thead>
<tr>
<th>BEST</th>
<th>MODEL</th>
<th>PROCESSOR</th>
<th>MEMORY</th>
<th>DISPLAY</th>
<th>ADDITIONAL FEATURES</th>
</tr>
</thead>
</table>
|      | ThinkCentre M80q/M90q Tiny Gen 3 | Intel i5 12th Gen or greater | 8GB min, 16GB rec | 1920x1080 or 1920x1200 | • vPro/AMT system  
• Support up to 4 monitors  
• Add USB ports and lock/restrict them  
• Power remotely from keyboard |

### PREFERRED DISPLAY

ThinkCentre Tiny-in-One  
(24” or 27”, touch or non-touch)  
The Tiny-in-One monitor turns the ThinkCentre Tiny into an all-in-one computer with removable compute module and connects a camera, speakers, and microphone internally for a cable-free, streamlined footprint.

---

### USE CASES

- Patient registration and billing
- Diagnostic radiology
- In-room patient care
- Mobile medical carts
- Wall or swing arm mounted workstation
- Traditional desktop or communal station
## Mobile solutions for an endpoint install of Hyperspace or Hyperdrive

<table>
<thead>
<tr>
<th>Model</th>
<th>Processor</th>
<th>Memory</th>
<th>Display</th>
<th>Additional Features</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GOOD</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ThinkPad L14 Gen 3</td>
<td>Intel i5 or AMD Ryzen 5 PRO min</td>
<td>8GB min, 16GB rec</td>
<td>1920x1080</td>
<td>• 14” screen</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ThinkPad L15 Gen 3</td>
<td>Intel i5 or AMD Ryzen 5 PRO min</td>
<td>8GB min, 16GB rec</td>
<td>1920x1080</td>
<td>• 15” screen</td>
</tr>
<tr>
<td><strong>BETTER</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ThinkPad T14 Gen 3 and T14s Gen 3</td>
<td>Intel i5 or AMD Ryzen 5 PRO min</td>
<td>8GB min, 16GB rec</td>
<td>1920x1200</td>
<td>• Lightweight 14” screen</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ThinkPad T16</td>
<td>Intel i5 or AMD Ryzen 5 PRO min</td>
<td>8GB min, 16GB rec</td>
<td>1920x1200</td>
<td>• Lightweight 16” screen</td>
</tr>
<tr>
<td><strong>BEST</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ThinkPad X1 Carbon</td>
<td>Intel i5 or higher</td>
<td>16GB or higher</td>
<td>1920x1200</td>
<td>• Super lightweight 2.4 lb.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• 14” screen</td>
</tr>
<tr>
<td>ThinkPad X1 Yoga</td>
<td>Intel i5 or higher</td>
<td>16GB or higher</td>
<td>1920x1200</td>
<td>• Convertible 2-in-1 tablet unit with pen</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Standard touchscreen</td>
</tr>
<tr>
<td>ThinkPad P1</td>
<td>Intel i5 H Series high-performance processor or higher</td>
<td>16GB or higher</td>
<td>1920x1200</td>
<td>• Ultra-high performance lightweight notebook</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Optional touchscreen</td>
</tr>
</tbody>
</table>
**Consider thin clients**

Optimize device management, address hybrid work environments, and improve endpoint security.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PROCESSOR</th>
<th>MEMORY</th>
<th>DISPLAY</th>
<th>ADDITIONAL FEATURES</th>
</tr>
</thead>
<tbody>
<tr>
<td>ThinkCentre M75q Tiny Gen 2, IGEL certified</td>
<td>AMD Ryzen 3 PRO or greater</td>
<td>4GB or higher</td>
<td>1920x1080 or 1920x1200</td>
<td>Thin client desktop — AMD</td>
</tr>
<tr>
<td>ThinkCentre M70q Tiny Gen 3, IGEL certified</td>
<td>Intel i3 or better</td>
<td>4GB or higher</td>
<td>1920x1080 or 1920x1200</td>
<td>Thin client desktop — Intel</td>
</tr>
<tr>
<td>Lenovo K14, AMD Gen 1 laptop, IGEL certified</td>
<td>AMD Ryzen 3 PRO or greater</td>
<td>4GB or higher</td>
<td>1920x1080 IPS screen</td>
<td>Cost-effective thin client laptop</td>
</tr>
</tbody>
</table>

**USE CASES**

- Hybrid care environments
- Nurses’ stations
- Managing field physician groups
- Offices and clinic rooms
- Telemedicine or call centers
- Reception and self-check-in kiosks
- Patient rooms
- Labs and clean rooms
- Offices and clinic rooms
- Hybrid care environments
- Nurses’ stations
- Managing field physician groups
- Offices and clinic rooms
- Telemedicine or call centers
- Reception and self-check-in kiosks
- Patient rooms
- Labs and clean rooms
# Home health mobile solutions

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PROCESSOR</th>
<th>MEMORY</th>
<th>DISPLAY</th>
<th>ADDITIONAL FEATURES</th>
</tr>
</thead>
</table>
| ThinkPad L15 Gen 3     | Intel i5 or AMD Ryzen 5 PRO min | 4GB or higher   | 1920x1080 IPS screen | • Optional LTE radio  
• Optional touchscreen |
| ThinkPad T16           | Intel i5 or AMD Ryzen 5 PRO min | 8GB min, 16GB rec | 1920x1200      | • Lightweight 16" screen  
• Optional touchscreen  
• Optional privacy guard screen |
| ThinkPad L13 Yoga Gen 3| Intel i5 or AMD Ryzen 5 PRO min | 8GB min, 16GB rec | 1920x1080      | • Convertible 2-in-1 tablet unit with pen  
• Standard touchscreen  
• Optional LTE radio |

**USE CASE**
Nurse in patient’s home
# Tablets and Epic apps

<table>
<thead>
<tr>
<th>TABLETS</th>
<th>PLATFORM</th>
<th>MEMORY</th>
<th>DISPLAY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lenovo Tab P12 Pro</td>
<td>Android OS 10</td>
<td>8GB</td>
<td>12.6&quot; AMOLED</td>
</tr>
<tr>
<td>Lenovo Tab P11 Plus</td>
<td>Android OS 11</td>
<td>4GB</td>
<td>11&quot; 2K</td>
</tr>
<tr>
<td>Lenovo Tab K10</td>
<td>Android OS 11</td>
<td>3GB to 4GB</td>
<td>10.3&quot; FHD</td>
</tr>
<tr>
<td>Lenovo Tab M10</td>
<td>Android OS 12</td>
<td>3GB to 4GB</td>
<td>10.6&quot;</td>
</tr>
<tr>
<td>ThinkPad X12</td>
<td>Windows 10 or 11 Pro</td>
<td>Minimum 16GB</td>
<td>12.3&quot; FHD+</td>
</tr>
</tbody>
</table>

**ANDROID-BASED APPS**

- **Welcome**
- **MyChart Mobile**
- **MyChart Bedside**
- **Haiku**
- **Rover**

**USE CASES**

- Reception and self-check-in kiosks
- In-room communication and patient concierge
- Mobile patient care

*MyChart Mobile, MyChart Bedside, Haiku, and Rover are trademarks of Epic Systems Corporation.*
**Lenovo Health services and support**

Lenovo is an end-to-end partner. We work closely with you, sharing expertise and services at every stage — from strategy to procurement, deployment to operations, and support through PC end-of-life.

With available Lenovo TruScale Device as a Service (DaaS), you can get simplified access to our entire portfolio of technology solutions with the flexibility to dynamically respond to business demands. The TruScale DaaS consumption-based model combines devices, infrastructure, services, and solutions into a single, configurable program with a predictable monthly fee.

### Plan
- White Board Solution Session
- Custom Imaging
- Image Management
- Asset Tagging
- Custom BIOS Settings
- IT Onboarding Documents

### Deploy
- Staff Augmentation
- Advanced Stocking
- Project Management Services
- Unified Endpoint Management

### Optimize
- Accidental Damage Protection
- Keep Your Drive
- Sealed Battery Protection
- Self-Maintainer Program
- Premier Support
- Lenovo Device Intelligence
- Physical Device Security

### Dispose
- Asset Recovery Services
- Payment for Recovered Hardware
- DoD Certified Data Destruction
Need more information to determine the best options for your organization? We’re here to help. Consult with your sales representative to find the right Lenovo Health solutions for your Epic implementation.

www.lenovo.com/Health

Information shown here is that of Lenovo Health. Epic is not responsible for the content presented in this catalog.