Districts can ensure minimal bandwidth requirements of less than or equal to 384 kbps on average per concurrent user on the school infrastructure by placing an Edgenuity Media Appliance at the individual school or district. When a media appliance is housed within the district or individual school firewall, student computers will access the Student Portal via the Internet with information transfer requirements equivalent to standard website interactions. Instructional Videos, when required as part of a user experience, are pulled directly from the local media appliance. This ensures reduced load times with no additional bandwidth requirements, providing a positive end-user experience with minimal delay for page downloads.

Edgenuity Media Appliances

Edgenuity offers four (4) media appliances to our customers based on concurrent user needs. Each appliance is a self-contained, read-only device rated for concurrent user connections. Appliances utilize custom programming. Backups and user maintenance is not required when routing and white list rules have been applied.

Edgenuity Media Appliances require Secure Sockets Layer (SSL) and Hyper Transfer Protocol Secure (HTTPS) security protocols. By using SSL and HTTPS protocols, Edgenuity can provide a level of security and confidence within the information being exchanged with our users.

Please contact Edgenuity for questions regarding virtual operating systems not listed. Mini and Slim Media Appliances include Kensington slot locks to stabilize and provide additional security to mounted appliances.

Edgenuity Physical Appliance Specifications

Edgenuity offers three varieties of physical media appliances: Mini, Slim, and Rackmount appliances. Each appliance is designed to be placed at or near the network backbone, optimized for read access, and rated for concurrent connections.

<table>
<thead>
<tr>
<th>Mini Appliance E250N</th>
<th>Slim Appliance E750N</th>
<th>Rack Appliance E5000R</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 250 Concurrent Users</td>
<td>Up to 750 Concurrent Users</td>
<td>Up to 5,000 Concurrent Users</td>
</tr>
<tr>
<td>Designed for small or lower usage implementations</td>
<td>Designed for mid to larger usage implementations</td>
<td>Designed for larger multi-school district implementations</td>
</tr>
</tbody>
</table>

**Mini Appliance Specs**
- Intel Celeron® 3865U 1.8 GHz
- 2 core processor / 2 threads
- 8 GB DDR4 2400 MHz RAM
  - 500 GB SSD
  - Dual 1 GB NIC

**Mount / Power Options**
- VESA, 1U rack, desktop mount compatible
- Single power supply

**Weight**
- Approximately 2 pounds each

**Slim Appliance Specs**
- Intel Core i3 7100U 2.4 GHz
- 2 core processor / 4 threads
- 8 GB DDR4 2400 MHz RAM
  - 500 GB SSD
  - Dual 1 GB NIC

**Mount / Power Options**
- VESA, 1U rack, desktop mount compatible
- Single power supply

**Weight**
- Approximately 2 pounds each

**Rack Appliance Specs**
- XEON E5-2630L V3 1.8 GHz
- 8 core processor / 16 threads
- 32 GB DDR4 2133 MHz ECC RAM
  - 2x 500 GB SSD in RAID1
  - Quad 1 GB NIC

**Mount / Power Options**
- 1U rack

**Dual power supply

**Weight**
- Approximately 45 pounds each

Please Note:
Middlebury Powerspeak World Language courses and Sophia® Dual Credit courses do not require use of a media appliance.

If assistance is required with the configuration or installation of a Media Appliance, please contact Media Appliance Support at masupport@edgenuity.com.

Please contact Edgenuity for questions regarding virtual operating systems not listed. Mini and Slim Media Appliances include Kensington slot locks to stabilize and provide additional security to mounted appliances.

These specifications are subject to change.
Virtual Server Media Appliance Specifications

Edgenuity offers a virtual media appliance solution to assist customers in an ever-changing educational technology arena. Two (2) platform formats of Edgenuity Virtual Media Appliances (VMA) are available and supported based on the customer’s implemented virtual infrastructure. Platform formats include VMware 5.0+ and Microsoft Hyper-V Server 2012 R2 (or newer). Edgenuity VMAs include programming and multimedia content.

### Virtual Media Appliance Specifications

<table>
<thead>
<tr>
<th>Up to 5,000 Concurrent Users</th>
</tr>
</thead>
<tbody>
<tr>
<td>Designed for districts who wish to use their VM environment for a Media Appliance instead of a physical device.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Edgenuity VMA Server Image Size</th>
<th>Virtual Platforms</th>
</tr>
</thead>
<tbody>
<tr>
<td>500 GB</td>
<td>VMWare 5.0+</td>
</tr>
<tr>
<td></td>
<td>Microsoft Hyper-V Server 2012 R2 or newer</td>
</tr>
</tbody>
</table>

As a customer’s network grows, VMA resources can be adjusted. Additional memory, processor, and virtual disk storage resources can be committed to scale the VMA for larger concurrent user counts as needed.

VMA images can also be copied and replicated as needed for use within the same district. This allows longer usage of the VMA without need to supply.

### Software Specifications – Virtual Media Appliances

- Edgenuity will supply a download link for the virtual image within the customer’s virtualization network platform.
- Edgenuity requires an IP for the Edgenuity VMA.
- Edgenuity VMAs require minimal maintenance.
- Locations using web filtering MUST apply the Edgenuity white list for necessary updates.
- There is no limit to customer replication (within the same district) of a VMA image.
- Additional resources, if needed, can be committed to increase power of an Edgenuity VMA for larger installations.
- Upon request a virtual image can be supplied on a returnable, USB capable portable memory device after verification of a customer’s virtualization network platform.
- Edgenuity Media Appliances requires Secure Sockets Layer (SSL) and Hyper Transfer Protocol Secure (HTTPS) security protocols. By using SSL and HTTPS protocols, Edgenuity can provide a level of security and confidence within the information being exchanged with our users.

**Please Note:**

Middlebury Powerspeak World Language courses and Sophia® Dual Credit courses do not require use of a media appliance.

If assistance is required with the configuration or installation of a Media Appliance, please contact Media Appliance Support at masupport@edgenuity.com.

Please contact Edgenuity for questions regarding virtual operating systems not listed. Mini and Slim Media Appliances include Kensington slot locks to stabilize and provide additional security to mounted appliances.

These specifications are subject to change.