Citrix Application Delivery Controller (ADC)

Deliver applications from any cloud with the experience your users expect.

With a software-first approach, Citrix ADC delivers an exceptional application experience. Simplify your application deployment across traditional and cloud architectures, protect your investment through flexible licensing, manage your applications wherever they live, and improve application performance and security with real-time visibility and analytics.

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* Standard  * Option

¹ For Citrix ADC versions after 11.1, the Standard edition includes (500) Universal licenses, Enterprise or Advanced editions include (1000) Universal licenses, and there are no Universal license requirements with Platinum or Premium editions. For versions previous to Citrix ADC 11.1, the Standard and Enterprise editions include (5) Universal licenses, and the Platinum edition includes (100) Universal licenses.

² An AppCache license is required for several front-end optimization features.
## Attributes

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<tr>
<th>Platform</th>
<th>Memory</th>
<th>Ethernet ports</th>
<th>Transceivers support</th>
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<td>MPX/SDX 26200-100G</td>
<td>256 GB</td>
<td>8x 100GE QSFP28</td>
<td>50GE/100GE QSFP28: SR4; 40GE QSFP+: SR4; 25GE SFP28: SR (Adapter required); 10GE SFP+: SR, LR (Adapter required)</td>
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<td>MPX/SDX 26160-100G</td>
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<td>System throughput, Gbps (L7 throughput)</td>
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<td>100</td>
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<tr>
<td>L7 HTTP requests/sec</td>
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<td>4,200,000</td>
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<td>SSL transactions/sec (2K key certificates)</td>
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<td>ECDHE transactions/sec</td>
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<td>Number of instances included/Maximum number of instances (on SDX models)</td>
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<td>70/115</td>
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## Mechanical, environmental, and regulatory

| Power supplies              | 2                   | 2                   | 2                   |
| Input voltage and frequency ranges | 100-240VAC full range, 50-60 Hz | 100-240VAC full range, 50-60 Hz | 100-240VAC full range, 50-60 Hz |
| Optional DC power supply    | Yes                 | Yes                 | Yes                 |
| Max power supply            | 822W                | 822W                | 822W                |
| Typical, Max power consumption | 300W, 1024 BTU/Hr     | 300W, 1024 BTU/Hr     | 300W, 1024 BTU/Hr     |
| Weight, lbs                 | 48                  | 48                  | 48                  |
| Height                      | 2U                  | 2U                  | 2U                  |
| Width                       | EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets | EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets | EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets |
| Operating temperature       | 0-45 °C (32-113 °F) | 0-45 °C (32-113 °F) | 0-45 °C (32-113 °F) |
| Allowed relative humidity   | 5-95%, non-condensing | 5-95%, non-condensing | 5-95%, non-condensing |
| Electromagnetic emission certifications & susceptibility standard | US (FCC (Part 15 Class A)), Europe (CE (EN 55032/55024)), Australia (RCM), Japan (VCCI), Korea (KCC), Taiwan (BSMI), China (CCC), India (BIS), Russia (CUTR), Russia (EAC), Saudi Arabia (CITC), Brazil (Anatel), South Africa (ICASA), Mexico (NOM), Egypt (NTRA), Israel (MoC) | US (FCC (Part 15 Class A)), Europe (CE (EN 55032/55024)), Australia (RCM), Japan (VCCI), Korea (KCC), Taiwan (BSMI), China (CCC), India (BIS), Russia (CUTR), Russia (EAC), Saudi Arabia (CITC), Brazil (Anatel), South Africa (ICASA), Mexico (NOM), Egypt (NTRA), Israel (MoC) | US (FCC (Part 15 Class A)), Europe (CE (EN 55032/55024)), Australia (RCM), Japan (VCCI), Korea (KCC), Taiwan (BSMI), China (CCC), India (BIS), Russia (CUTR), Russia (EAC), Saudi Arabia (CITC), Brazil (Anatel), South Africa (ICASA), Mexico (NOM), Egypt (NTRA), Israel (MoC) |
| Regulatory compliance       | RoHS, WEEE, REACH   | RoHS, WEEE, REACH   | RoHS, WEEE, REACH   |
| Citrix compliance regulatory model | 2U1P1D               | 2U1P1D               | 2U1P1D               |

1. Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012
2. Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.
3. Hybrid SSL optimization (TLS1-ECDHE-RSA-AES182-SHA 256).

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Citrix.com | Data Sheet | Citrix ADC

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<th>Platform</th>
<th>MPX/SDX 26200-50S</th>
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<td>L7 HTTP requests/sec</td>
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<td>SSL transactions/sec (2K key certificates)²</td>
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<td>US (FCC (Part 15 Class A)), Europe (CE (EN 55032/55024)), Australia (RCM), Japan (VCCI), Korea (KCC), Taiwan (BSMI), China (CCC), India (BIS), Russia (CUTR), Russia (EAC), Saudi Arabia (CITC), Brazil (Anatel), South Africa (ICASA), Mexico (NOM), Egypt (NTRA), Israel (MoC)</td>
<td>100-240VAC full range, 50-60 Hz</td>
<td>100-240VAC full range, 50-60 Hz</td>
</tr>
<tr>
<td>Regulatory compliance</td>
<td>RoHS, WEEE, REACH</td>
<td>RoHS, WEEE, REACH</td>
<td>RoHS, WEEE, REACH</td>
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<tr>
<td>Citrix compliance regulatory model</td>
<td>2U1P2A</td>
<td>2U1P2A</td>
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</tbody>
</table>

¹ Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012
² Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.
³ Hybrid SSL optimization (TLS1-ECDHE-RSA-AES128-SHA 256).

Citrix.com | Data Sheet | Citrix ADC
<table>
<thead>
<tr>
<th>Attributes</th>
<th>MPX 26200T-100G</th>
<th>MPX 26160T-100G</th>
<th>MPX 26100T-100G</th>
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<tbody>
<tr>
<td>Memory</td>
<td>256 GB</td>
<td>256 GB</td>
<td>256 GB</td>
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<tr>
<td>Ethernet ports</td>
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<td>8x 100GE QSFP28</td>
<td>8x 100GE QSFP28</td>
</tr>
<tr>
<td>Transceivers support</td>
<td>50GE/100GE QSFP28: SR4; 40GE QSFP+: SR4; 25GE SFP28: SR (Adapter required); 10GE SFP+: SR, LR (Adapter required)</td>
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<tr>
<td>RAID support</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<td>Pay-As-You-Grow &amp; Burst Pack</td>
<td>Upgrade option to MPX 26200T-100G</td>
<td>Upgrade option to MPX 26160T-100G, 26200T-100G</td>
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<tr>
<td>Attributes</td>
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<tr>
<td>System throughput, Gbps (L7 throughput)</td>
<td>200</td>
<td>160</td>
<td>100</td>
</tr>
<tr>
<td>L7 HTTP requests/sec</td>
<td>5,500,000</td>
<td>4,200,000</td>
<td>3,200,000</td>
</tr>
<tr>
<td>SSL transactions/sec (2K key certificates)</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>ECDHE transactions/sec</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>SSL throughput, Gbps</td>
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<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Compression throughput, Gbps</td>
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<td>15</td>
<td>12</td>
</tr>
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<td>ICA Proxy/SSL VPN concurrent users</td>
<td>20,000</td>
<td>20,000</td>
<td>20,000</td>
</tr>
<tr>
<td>Number of instances included/Maximum number of instances (on SDX models)</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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<tr>
<td>Mechanical, environmental, and regulatory</td>
<td></td>
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<tr>
<td>Power supplies</td>
<td>2</td>
<td>2</td>
<td>2</td>
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<tr>
<td>Input voltage and frequency ranges</td>
<td>100-240VAC full range, 50-60 Hz</td>
<td>100-240VAC full range, 50-60 Hz</td>
<td>100-240VAC full range, 50-60 Hz</td>
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<tr>
<td>Optional DC power supply</td>
<td>Yes</td>
<td>Yes</td>
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<td>Max power supply</td>
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<td>822W</td>
</tr>
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<td>Typical, Max power consumption</td>
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<td>300W, 1024 BTU/Hr</td>
<td>300W, 1024 BTU/Hr</td>
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<tr>
<td>Weight, lbs</td>
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<td>48</td>
<td>48</td>
</tr>
<tr>
<td>Height</td>
<td>2U</td>
<td>2U</td>
<td>2U</td>
</tr>
<tr>
<td>Width</td>
<td>EIA 310-D, IEC 60297, DIN 41494 5C48D rack width with mounting brackets</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depth</td>
<td>71.1 cm (28 in)</td>
<td>71.1 cm (28 in)</td>
<td>71.1 cm (28 in)</td>
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<tr>
<td>Operating temperature</td>
<td>0-45 °C (32-113 °F)</td>
<td>0-45 °C (32-113 °F)</td>
<td>0-45 °C (32-113 °F)</td>
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<tr>
<td>Allowed relative humidity</td>
<td>5-95%, non-condensing</td>
<td>5-95%, non-condensing</td>
<td>5-95%, non-condensing</td>
</tr>
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<td>Safety certifications</td>
<td>IEC 60950-1, 2nd Edition; CSA 60950-1, 2nd Edition; UL 60950-1, 2nd Edition; AS/NZS 60950-1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electromagnetic emission certifications &amp; susceptibility standard</td>
<td>US (FCC (Part 15 Class A)), Europe (CE (EN 55032/55024)), Australia (RCM), Japan (VCCI), Korea (KCC), Taiwan (BSMI), China (CCC), India (BIS), Russia (CUTR), Russia (EAC), Saudi Arabia (CITC), Brazil (Anatel), South Africa (ICASA), Mexico (NOM), Egypt (NTRA), Israel (MoC)</td>
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<td></td>
</tr>
<tr>
<td>Regulatory compliance</td>
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<td>RoHS, WEEE, REACH</td>
<td>RoHS, WEEE, REACH</td>
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<td>Citrix compliance regulatory model</td>
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</tbody>
</table>

1 Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012
2 Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.
3 Hybrid SSL optimization (TLS1-ECDHE-RSA-AES182-SHA 256).
<table>
<thead>
<tr>
<th>Attributes</th>
<th>MPX/SDX 26200</th>
<th>MPX/SDX 26160</th>
<th>MPX/SDX 26100</th>
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<tbody>
<tr>
<td>Memory</td>
<td>256 GB</td>
<td>256 GB</td>
<td>256 GB</td>
</tr>
<tr>
<td>Ethernet ports&lt;sup&gt;1&lt;/sup&gt;</td>
<td>8x 50GE QSFP28 16x 25G SFP28</td>
<td>8x 50GE QSFP28 16x 25G SFP28</td>
<td>8x 50GE QSFP28 16x 25G SFP28</td>
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<tr>
<td>RAID support</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Pay-As-You-Grow &amp; Burst Pack License upgrades</td>
<td>-</td>
<td>Upgrade option to MPX 26200</td>
<td>Upgrade option to MPX 26160, 26200</td>
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<table>
<thead>
<tr>
<th>Attributes</th>
<th>MPX/SDX 26200</th>
<th>MPX/SDX 26160</th>
<th>MPX/SDX 26100</th>
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<tbody>
<tr>
<td>System throughput, Gbps (L7 throughput)</td>
<td>200</td>
<td>160</td>
<td>100</td>
</tr>
<tr>
<td>L7 HTTP requests/sec</td>
<td>5,400,000</td>
<td>4,300,000</td>
<td>3,800,000</td>
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<tr>
<td>SSL transactions/sec (2K key certificates)&lt;sup&gt;2&lt;/sup&gt;</td>
<td>310,000</td>
<td>220,000</td>
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<td>ECDHE transactions/sec&lt;sup&gt;3&lt;/sup&gt;</td>
<td>130,000</td>
<td>90,000</td>
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<td>SSL throughput, Gbps</td>
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<tr>
<td>ICA Proxy/SSL VPN concurrent users</td>
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<td>Number of instances included/Maximum number of instances (on SDX models)</td>
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<th>Mechanical, environmental, and regulatory</th>
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<tbody>
<tr>
<td>Power supplies</td>
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</tr>
<tr>
<td>Input voltage and frequency ranges</td>
<td>100-240VAC full range, 50-60 Hz</td>
<td>100-240VAC full range, 50-60 Hz</td>
<td>100-240VAC full range, 50-60 Hz</td>
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<tr>
<td>Optional DC power supply</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Max power supply</td>
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<td>1000W</td>
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<td>540W, 672W</td>
<td>540W, 672W</td>
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<tr>
<td>Weight, lbs</td>
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<tr>
<td>Height</td>
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<td>2U</td>
<td>2U</td>
</tr>
<tr>
<td>Width</td>
<td>EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depth</td>
<td>71.2 cm (28 in)</td>
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<td>71.2 cm (28 in)</td>
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<td>0-45 °C (32-113 °F)</td>
<td>0-45 °C (32-113 °F)</td>
<td>0-45 °C (32-113 °F)</td>
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<tr>
<td>Allowed relative humidity</td>
<td>5-95%, non-condensing</td>
<td>5-95%, non-condensing</td>
<td>5-95%, non-condensing</td>
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<tr>
<td>Electromagnetic emission certifications &amp; susceptibility standard</td>
<td>US (FCC (Part 15 Class A)), Europe (CE EN 55032/55024), Australia (RCM), Japan (VCCI), Korea (KCC), Taiwan (BSMI), China (CCC), India (BIS), Russia (CUTR), Russia (EAC), Saudi Arabia (CITC), Brazil (Anatel), South Africa (ICASA), Mexico (NOM), Egypt (NTRA), Israel (MoC)</td>
<td></td>
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</tr>
<tr>
<td>Regulatory compliance</td>
<td>RoHS, WEEE, REACH</td>
<td>RoHS, WEEE, REACH</td>
<td>RoHS, WEEE, REACH</td>
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<td>Citrix compliance regulatory model</td>
<td>2U1P1D</td>
<td>2U1P1D</td>
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</tbody>
</table>

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<sup>1</sup> Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012

<sup>2</sup> Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.

<sup>3</sup> Hybrid SSL optimization (TLS1-ECDHE-RSA-AES128-SHA 256).
<table>
<thead>
<tr>
<th>Platform</th>
<th>MPX 25160T</th>
<th>MPX 25100T</th>
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</thead>
<tbody>
<tr>
<td><strong>Attributes</strong></td>
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</tr>
<tr>
<td>Memory</td>
<td>128 GB</td>
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<tr>
<td>Ethernet ports¹</td>
<td>32x 10GE SFP+</td>
<td>32x 10GE SFP+</td>
</tr>
<tr>
<td>Transceivers support</td>
<td>10GE SFP+; 1G SFP-CU</td>
<td>10GE SFP+; 1G SFP-CU</td>
</tr>
<tr>
<td>RAID support</td>
<td>No</td>
<td>No</td>
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<tr>
<td>Pay-As-You-Grow &amp; Burst Pack License upgrades</td>
<td>-</td>
<td>Upgrade option to MPX 25160T</td>
</tr>
<tr>
<td><strong>Attributes</strong></td>
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</tr>
<tr>
<td>System throughput, Gbps (L7 throughput)</td>
<td>160</td>
<td>100</td>
</tr>
<tr>
<td>L7 HTTP requests/sec</td>
<td>4,600,000</td>
<td>3,200,000</td>
</tr>
<tr>
<td>SSL transactions/sec (2K key certificates)²</td>
<td>2,000</td>
<td>1,400</td>
</tr>
<tr>
<td>ECDHE transactions/sec³</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>SSL throughput, Gbps</td>
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<td>15</td>
</tr>
<tr>
<td>Compression throughput, Gbps</td>
<td>14</td>
<td>10</td>
</tr>
<tr>
<td>ICA Proxy/SSL VPN concurrent users</td>
<td>35,000</td>
<td>35,000</td>
</tr>
<tr>
<td>Number of instances included/Maximum number of instances (on SDX models)</td>
<td>N/A</td>
<td>N/A</td>
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<tr>
<td><strong>Mechanical, environmental, and regulatory</strong></td>
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<td></td>
</tr>
<tr>
<td>Power supplies</td>
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</tr>
<tr>
<td>Input voltage and frequency ranges</td>
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<td>100-240VAC full range, 50-60 Hz</td>
</tr>
<tr>
<td>Optional DC power supply</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Max power supply</td>
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<td>1000W</td>
</tr>
<tr>
<td>Typical, Max power consumption</td>
<td>594W, 717W</td>
<td>594W, 717W</td>
</tr>
<tr>
<td>Weight, lbs</td>
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<tr>
<td>Height</td>
<td>2U</td>
<td>2U</td>
</tr>
<tr>
<td>Width</td>
<td>EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets</td>
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</tr>
<tr>
<td>Depth</td>
<td>72 cm (28.25 in)</td>
<td>72 cm (28.25 in)</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>0-45 °C (32-113 °F)</td>
<td>0-45 °C (32-113 °F)</td>
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<td>Allowed relative humidity</td>
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<td>5-95%, non-condensing</td>
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<tr>
<td>Safety certifications</td>
<td>CSA</td>
<td></td>
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<tr>
<td>Electromagnetic emission certifications &amp; susceptibility standard</td>
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</tr>
<tr>
<td>Regulatory compliance</td>
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<td>RoHS, WEEE</td>
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<tr>
<td>Citrix compliance regulatory model</td>
<td>2U1P1A</td>
<td>2U1P1A</td>
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</tbody>
</table>

¹ Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012
² Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.
³ Hybrid SSL optimization (TLS1-ECDHE-RSA-AES128-SHA 256).
<table>
<thead>
<tr>
<th>Platform</th>
<th>MPX 25200TA</th>
<th>MPX 25160TA</th>
<th>MPX 25100TA</th>
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</thead>
<tbody>
<tr>
<td><strong>Attributes</strong></td>
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</tr>
<tr>
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<td>128 GB</td>
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<td>128 GB</td>
</tr>
<tr>
<td>Ethernet ports(^1)</td>
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<td>8x 40GE QSFP+</td>
<td>8x 40GE QSFP+</td>
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<tr>
<td>Transceivers support</td>
<td>40GE QSFP+: SR4</td>
<td>40GE QSFP+: SR4</td>
<td>40GE QSFP+: SR4</td>
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<tr>
<td>RAID support</td>
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<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Pay-As-You-Grow &amp; Burst Pack License upgrades</td>
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<td>Upgrade option to MPX 25200TA</td>
<td>Upgrade option to MPX 25160TA, 25200TA</td>
</tr>
</tbody>
</table>

| **Attributes** |            |            |            |
| L7 HTTP requests/sec | 5,200,000 | 4,600,000 | 3,200,000 |
| SSL transactions/sec (2K key certificates)\(^2\) | 2,000 | 2,000 | 1,400 |
| ECDHE transactions/sec\(^3\) | N/A | N/A | N/A |
| SSL throughput, Gbps | 30 | 21 | 15 |
| Compression throughput, Gbps | 17 | 14 | 10 |
| ICA Proxy/SSL VPN concurrent users | 35,000 | 35,000 | 35,000 |
| Number of instances included/ Maximum number of instances (on SDX models) | N/A | N/A | N/A |

| **Mechanical, environmental, and regulatory** |            |            |            |
| Power supplies | 2 | 2 | 2 |
| Input voltage and frequency ranges | 100-240VAC full range, 50-60 Hz | 100-240VAC full range, 50-60 Hz | 100-240VAC full range, 50-60 Hz |
| Optional DC power supply | Yes | Yes | Yes |
| Max power supply | 1000W | 1000W | 1000W |
| Typical, Max power consumption | 594W, 717W | 594W, 717W | 594W, 717W |
| Weight, lbs | 60 | 60 | 60 |
| Height | 2U | 2U | 2U |
| Width | EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets | EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets | EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets |
| Depth | 72 cm (28.25 in) | 72 cm (28.25 in) | 72 cm (28.25 in) |
| Operating temperature | 0-45 °C (32-113 °F) | 0-45 °C (32-113 °F) | 0-45 °C (32-113 °F) |
| Allowed relative humidity | 5-95%, non-condensing | 5-95%, non-condensing | 5-95%, non-condensing |
| Safety certifications | CSA | CSA | CSA |
| Electromagnetic emission certifications & susceptibility standard | FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES | FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES | FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES |
| Regulatory compliance | RoHS, WEEE | RoHS, WEEE | RoHS, WEEE |
| Citrix compliance regulatory model | 2U1P1A | 2U1P1A | 2U1P1A |

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\(^1\) Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012

\(^2\) Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.

\(^3\) Hybrid SSL optimization (TLS1-ECDHE-RSA-AES182-SHA 256).
<table>
<thead>
<tr>
<th>Attributes</th>
<th>MPX/SDX 25200A</th>
<th>MPX/SDX 25160A</th>
<th>MPX/SDX 25100A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Memory</td>
<td>256 GB</td>
<td>256 GB</td>
<td>256 GB</td>
</tr>
<tr>
<td>Ethernet ports¹</td>
<td>8x 40GE QSFP+</td>
<td>8x 40GE QSFP+</td>
<td>8x 40GE QSFP+</td>
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<td>Transceivers support</td>
<td>40GE QSFP+: SR4</td>
<td>40GE QSFP+: SR4</td>
<td>40GE QSFP+: SR4</td>
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<tr>
<td>RAID support</td>
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<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Pay-As-You-Grow &amp; Burst Pack License upgrades</td>
<td>-</td>
<td>Upgrade option to MPX/SDX 25200A</td>
<td>Upgrade option to MPX/SDX 25160A, 25200A</td>
</tr>
<tr>
<td>System throughput, Gbps (L7 throughput)</td>
<td>200</td>
<td>160</td>
<td>100</td>
</tr>
<tr>
<td>SSL transactions/sec (2K key certificates)²</td>
<td>69,000</td>
<td>69,000</td>
<td>43,000</td>
</tr>
<tr>
<td>ECDHE transactions/sec³</td>
<td>56,000</td>
<td>47,000</td>
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<tr>
<td>SSL throughput, Gbps</td>
<td>46</td>
<td>42</td>
<td>34</td>
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<tr>
<td>Compression throughput, Gbps</td>
<td>17</td>
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<td>10</td>
</tr>
<tr>
<td>ICA Proxy/SSL VPN concurrent users</td>
<td>20,000</td>
<td>20,000</td>
<td>20,000</td>
</tr>
<tr>
<td>Number of instances included/Maximum number of instances (on SDX models)</td>
<td>115/115</td>
<td>70/115</td>
<td>20/115</td>
</tr>
</tbody>
</table>

**Mechanical, environmental, and regulatory**

| Power supplies              | 2              | 2              | 2              |
| Input voltage and frequency ranges | 100-240VAC full range, 47-63 Hz | 100-240VAC full range, 47-63 Hz | 100-240VAC full range, 47-63 Hz |
| Optional DC power supply    | Yes            | Yes            | Yes            |
| Max power supply            | 822W           | 822W           | 822W           |
| Typical, Max power consumption | 300W, 1024 BTU/Hr | 300W, 1024 BTU/Hr | 300W, 1024 BTU/Hr |
| Weight, lbs                 | 60             | 60             | 60             |
| Height                      | 2U             | 2U             | 2U             |
| Width                       | EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets |
| Depth                       | 71.1 cm (28 in) | 71.1 cm (28 in) | 71.1 cm (28 in) |
| Operating temperature       | 0-45 °C (32-113 °F) | 0-45 °C (32-113 °F) | 0-45 °C (32-113 °F) |
| Allowed relative humidity   | 5-95%, non-condensing | 5-95%, non-condensing | 5-95%, non-condensing |
| Safety certifications       | CSA            |                |                |
| Electromagnetic emission certifications & susceptibility standard | FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES |
| Regulatory compliance       | RoHS, WEEE     | RoHS, WEEE     | RoHS, WEEE     |
| Citrix compliance regulatory model | 2U1P1A        | 2U1P1A         | 2U1P1A         |

¹ Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012

² Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.

³ Hybrid SSL optimization (TLS1-ECDHE-RSA-AES128-SHA 256).
## Attributes

<table>
<thead>
<tr>
<th>Platform</th>
<th>Memory</th>
<th>Ethernet ports¹</th>
<th>Transceivers support</th>
<th>RAID support</th>
<th>Pay-As-You-Grow &amp; Burst Pack License upgrades</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPX/SDX 25200-40G</td>
<td>256 GB</td>
<td>4x 40GE QSFP+</td>
<td>40GE QSFP+: SR4</td>
<td>Yes</td>
<td>Upgrade option to MPX/SDX 25200-40G</td>
</tr>
<tr>
<td></td>
<td></td>
<td>16x 10 GE SFP+</td>
<td>10GE SFP+: SR, LR</td>
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<td></td>
</tr>
<tr>
<td>MPX/SDX 25160-40G</td>
<td>256 GB</td>
<td>4x 40GE QSFP+</td>
<td>40GE QSFP+: SR4</td>
<td>Yes</td>
<td>Upgrade option to MPX/SDX 25160-40G, 25200-40G</td>
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<tr>
<td></td>
<td></td>
<td>16x 10 GE SFP+</td>
<td>10GE SFP+: SR, LR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MPX/SDX 25100-40G</td>
<td>256 GB</td>
<td>4x 40GE QSFP+</td>
<td>40GE QSFP+: SR4</td>
<td>Yes</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>16x 10 GE SFP+</td>
<td>10GE SFP+: SR, LR</td>
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</tr>
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## System Attributes

<table>
<thead>
<tr>
<th>Platform</th>
<th>System throughput, Gbps (L7 throughput)</th>
<th>L7 HTTP requests/sec</th>
<th>SSL transactions/sec (2K key certificates)²</th>
<th>ECDHE transactions/sec³</th>
<th>SSL throughput, Gbps</th>
<th>Compression throughput, Gbps</th>
<th>ICA Proxy/SSL VPN concurrent users</th>
<th>Number of instances included/Maximum number of instances (on SDX models)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPX/SDX 25200-40G</td>
<td>200</td>
<td>5,000,000</td>
<td>69,000</td>
<td>56,000 (7,000)</td>
<td>46</td>
<td>17</td>
<td>20,000</td>
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<tr>
<td>MPX/SDX 25160-40G</td>
<td>160</td>
<td>4,000,000</td>
<td>69,000</td>
<td>47,000 (6,500)</td>
<td>42</td>
<td>14</td>
<td>20,000</td>
<td>70/115</td>
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<tr>
<td>MPX/SDX 25100-40G</td>
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<td>29,000 (5,000)</td>
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<td>10</td>
<td>20,000</td>
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## Mechanical, environmental, and regulatory

<table>
<thead>
<tr>
<th>Platform</th>
<th>Power supplies</th>
<th>Input voltage and frequency ranges</th>
<th>Optional DC power supply</th>
<th>Max power supply</th>
<th>Typical, Max power consumption</th>
<th>Weight, lbs</th>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
<th>Operating temperature</th>
<th>Allowed relative humidity</th>
<th>Safety certifications</th>
<th>Electromagnetic emission certifications &amp; susceptibility standard</th>
<th>Regulatory compliance</th>
<th>Citrix compliance regulatory model</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPX/SDX 25200-40G</td>
<td>2</td>
<td>100-240VAC full range, 47-63 Hz</td>
<td>Yes</td>
<td>822W</td>
<td>300W, 1024 BTU/Hr</td>
<td>60</td>
<td>2U</td>
<td>EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets</td>
<td>71.1 cm (28 in)</td>
<td>0-45 °C (32-113 °F)</td>
<td>5-95%, non-condensing</td>
<td>FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES</td>
<td>RoHS, WEEE</td>
<td>2U1P1A</td>
<td></td>
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<tr>
<td>MPX/SDX 25160-40G</td>
<td>2</td>
<td>100-240VAC full range, 47-63 Hz</td>
<td>Yes</td>
<td>822W</td>
<td>300W, 1024 BTU/Hr</td>
<td>60</td>
<td>2U</td>
<td>EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets</td>
<td>71.1 cm (28 in)</td>
<td>0-45 °C (32-113 °F)</td>
<td>5-95%, non-condensing</td>
<td>RoHS, WEEE</td>
<td>RoHS, WEEE</td>
<td>2U1P1A</td>
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<tr>
<td>MPX/SDX 25100-40G</td>
<td>2</td>
<td>100-240VAC full range, 47-63 Hz</td>
<td>Yes</td>
<td>822W</td>
<td>300W, 1024 BTU/Hr</td>
<td>60</td>
<td>2U</td>
<td>EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets</td>
<td>71.1 cm (28 in)</td>
<td>0-45 °C (32-113 °F)</td>
<td>5-95%, non-condensing</td>
<td>RoHS, WEEE</td>
<td>RoHS, WEEE</td>
<td>2U1P1A</td>
<td></td>
</tr>
</tbody>
</table>

¹ Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012
² Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.
³ Maximum ECDHE key transactions per second (TLS1-ECDHE-RSA-AES182-SHA 256), (Accelerated transactions only)
## Attributes

<table>
<thead>
<tr>
<th>Platform</th>
<th>MPX/SDX 15120-50G</th>
<th>MPX/SDX 15100-50G</th>
<th>MPX/SDX 15080-50G</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Memory</strong></td>
<td>128 GB</td>
<td>128 GB</td>
<td>128 GB</td>
</tr>
<tr>
<td><strong>Ethernet ports</strong></td>
<td>4x 50GE QSFP28 8x 10GE SFP+</td>
<td>4x 50GE QSFP28 8x 10GE SFP+</td>
<td>4x 50GE QSFP28 8x 10GE SFP+</td>
</tr>
<tr>
<td><strong>RAID support</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Pay-As-You-Grow &amp; Burst Pack License upgrades</strong></td>
<td>-</td>
<td>Upgrade option to MPX/SDX 15120-50G</td>
<td>Upgrade option to MPX/SDX 15120/100-50G</td>
</tr>
</tbody>
</table>

## Attributes

| System throughput, Gbps (L7 throughput) | 100 | 100 | 80 |
| L7 HTTP requests/sec | 3,900,000 | 4,000,000 | 3,900,000 |
| SSL transactions/sec (2K key certificates)^2 | 162,000 | 140,000 | 127,000 |
| ECDHE transactions/sec^3 | 65,000 | 60,000 | 55,000 |
| SSL throughput, Gbps | 74 | 70 | 60 |
| Compression throughput, Gbps | 10.8 | 10 | 9.3 |
| ICA Proxy/SSL VPN concurrent users | 20,000 | 20,000 | 20,000 |
| Number of instances included/ Maximum number of instances (on SDX models) | 55/55 | 50/55 | 45/55 |

## Mechanical, environmental, and regulatory

| Power supplies | 2 | 2 | 2 |
| Input voltage and frequency ranges | 100-240VAC full range, 50-60 Hz | 100-240VAC full range, 50-60 Hz | 100-240VAC full range, 50-60 Hz |
| Optional DC power supply | Yes | Yes | Yes |
| Max power supply | 522W | 522W | 522W |
| Typical, Max power consumption | 300W, 1024 BTU/Hr | 300W, 1024 BTU/Hr | 300W, 1024 BTU/Hr |
| Weight, lbs | 39 | 39 | 39 |
| Height | 2U | 2U | 2U |
| Width | EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets |
| Depth | 71.1 cm (28 in) | 71.1 cm (28 in) | 71.1 cm (28 in) |
| Operating temperature | 0-45 °C (32-113 °F) | 0-45 °C (32-113 °F) | 0-45 °C (32-113 °F) |
| Allowed relative humidity | 5-95%, non-condensing | 5-95%, non-condensing | 5-95%, non-condensing |
| Safety certifications | IEC 60950-1, 2nd Edition; CSA 60950-1, 2nd Edition; UL 60950-1, 2nd Edition; AS/NZS 60950-1 |
| Electromagnetic emission certifications & susceptibility standard | US (FCC (Part 15 Class A)), Europe (CE (EN 55032/55024)), Australia (RCM), Japan (VCCI), Korea (KCC), Taiwan (BSMI), China (CCC), India (BIS), Russia (CUTR), Russia (EAC), Saudi Arabia (CITC), Brazil (Anatel), South Africa (ICASA), Mexico (NOM), Egypt (NTRA), Israel (MoC) |
| Regulatory compliance | RoHS, WEEE, REACH | RoHS, WEEE, REACH | RoHS, WEEE, REACH |
| Citrix compliance regulatory model | 2U1P1A | 2U1P1A | 2U1P1A |

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1. Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012
2. Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.
3. Hybrid SSL optimization (TLS1-ECDHE-RSA-AES128-SHA 256).
<table>
<thead>
<tr>
<th>Platform</th>
<th>MPX/SDX 15060-50G</th>
<th>MPX/SDX 15040-50G</th>
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<tbody>
<tr>
<td><strong>Attributes</strong></td>
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<tr>
<td>Memory</td>
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<td>128 GB</td>
</tr>
<tr>
<td>Ethernet ports¹</td>
<td>4x 50GE QSFP28</td>
<td>4x 50GE QSFP28</td>
</tr>
<tr>
<td></td>
<td>8x 10GE SFP+</td>
<td>8x 10GE SFP+</td>
</tr>
<tr>
<td>RAID support</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Pay-As-You-Grow &amp; Burst Pack License upgrades</td>
<td>Upgrade option to MPX/SDX 15120/100/80-50G</td>
<td>Upgrade option to MPX/SDX 15120/100/80/60-50G</td>
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<tr>
<td>System throughput, Gbps (L7 throughput)</td>
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<td>40</td>
</tr>
<tr>
<td>L7 HTTP requests/sec</td>
<td>3,200,000</td>
<td>3,000,000</td>
</tr>
<tr>
<td>SSL transactions/sec (2K key certificates)²</td>
<td>110,000</td>
<td>66,000</td>
</tr>
<tr>
<td>ECDHE transactions/sec³</td>
<td>45,000</td>
<td>30,000</td>
</tr>
<tr>
<td>SSL throughput, Gbps</td>
<td>50</td>
<td>40</td>
</tr>
<tr>
<td>Compression throughput, Gbps</td>
<td>8.5</td>
<td>7.8</td>
</tr>
<tr>
<td>ICA Proxy/SSL VPN concurrent users</td>
<td>20,000</td>
<td>20,000</td>
</tr>
<tr>
<td>Number of instances included/Maximum number of instances (on SDX models)</td>
<td>40/55</td>
<td>30/55</td>
</tr>
<tr>
<td><strong>Mechanical, environmental, and regulatory</strong></td>
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<td></td>
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<tr>
<td>Power supplies</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Input voltage and frequency ranges</td>
<td>100-240VAC full range, 50-60 Hz</td>
<td>100-240VAC full range, 50-60 Hz</td>
</tr>
<tr>
<td>Optional DC power supply</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Max power supply</td>
<td>522W</td>
<td>522W</td>
</tr>
<tr>
<td>Typical, Max power consumption</td>
<td>300W, 1024 BTU/Hr</td>
<td>300W, 1024 BTU/Hr</td>
</tr>
<tr>
<td>Weight, lbs</td>
<td>39</td>
<td>39</td>
</tr>
<tr>
<td>Height</td>
<td>2U</td>
<td>2U</td>
</tr>
<tr>
<td>Width</td>
<td>EIA 310-D, IEC 60297, DIN 41494 5C48D rack width with mounting brackets</td>
<td>72 cm (28.25 in)</td>
</tr>
<tr>
<td>Depth</td>
<td>72 cm (28.25 in)</td>
<td>72 cm (28.25 in)</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>0-45 °C (32-113 °F)</td>
<td>0-45 °C (32-113 °F)</td>
</tr>
<tr>
<td>Allowed relative humidity</td>
<td>5-95%, non-condensing</td>
<td>5-95%, non-condensing</td>
</tr>
<tr>
<td>Safety certifications</td>
<td>IEC 60950-1, 2nd Edition; CSA 60950-1, 2nd Edition; UL 60950-1, 2nd Edition; AS/NZS 60950-1</td>
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</tr>
<tr>
<td>Electromagnetic emission certifications &amp; susceptibility standard</td>
<td>US (FCC (Part 15 Class A)), Europe (CE (EN 55032/55024)), Australia (RCM), Japan (VCCI), Korea (KCC), Taiwan (BSMI), China (CCC), India (BIS), Russia (CU TR), Russia (EAC), Saudi Arabia (CITC), Brazil (Anatel), South Africa (ICASA), Mexico (NOM), Egypt (NTA), Israel (MoC)</td>
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</tr>
<tr>
<td>Regulatory compliance</td>
<td>RoHS, WEEE</td>
<td>RoHS, WEEE, REACH</td>
</tr>
<tr>
<td>Citrix compliance regulatory model</td>
<td>2U1P1A</td>
<td>2U1P1A</td>
</tr>
</tbody>
</table>

¹ Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012
² Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.
³ Hybrid SSL optimization (TLS1-ECDHE-RSA-AES128-SHA 256).
<table>
<thead>
<tr>
<th>Platform</th>
<th>MPX/SDX 15030-50G</th>
<th>MPX/SDX 15020-50G</th>
</tr>
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<tbody>
<tr>
<td><strong>Attributes</strong></td>
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</tr>
<tr>
<td>Memory</td>
<td>128 GB</td>
<td>128 GB</td>
</tr>
<tr>
<td>Ethernet ports&lt;sup&gt;1&lt;/sup&gt;</td>
<td>4x 50GE QSFP28 8x 10GE SFP+</td>
<td>4x 50GE QSFP28 8x 10GE SFP+</td>
</tr>
<tr>
<td>RAID support</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Pay-As-You-Grow &amp; Burst Pack License upgrades</td>
<td>Upgrade option to MPX/SDX 15120/100/80/60/40-50G</td>
<td>Upgrade option to MPX/SDX 15120/100/80/60/40/30-50G</td>
</tr>
</tbody>
</table>

| **Attributes**   |                                      |                                      |
| System throughput, Gbps (L7 throughput) | 30                                   | 20                                   |
| L7 HTTP requests/sec | 2,800,000                           | 2,500,000                           |
| SSL transactions/sec (2K key certificates)<sup>2</sup> | 42,000                              | 24,000                              |
| ECDHE transactions/sec<sup>3</sup> | 20,000                              | 11,000                              |
| SSL throughput, Gbps | 30                                  | 21                                  |
| Compression throughput, Gbps | 7.2                                 | 6.4                                 |
| ICA Proxy/SSL VPN concurrent users | 20,000                             | 20,000                             |
| Number of instances included/Maximum number of instances (on SDX models) | 20/55                               | 5/55                                |

| **Mechanical, environmental, and regulatory** |                                      |                                      |
| Power supplies | 2                                    | 2                                    |
| Input voltage and frequency ranges | 100-240VAC full range, 50-60 Hz | 100-240VAC full range, 50-60 Hz |
| Optional DC power supply | Yes                                 | Yes                                 |
| Max power supply | 522W                                | 522W                                |
| Typical, Max power consumption | 300W, 1024 BTU/Hr                  | 300W, 1024 BTU/Hr                  |
| Weight, lbs | 39                                   | 39                                   |
| Height | 2U                                   | 2U                                   |
| Width | EIA 310-D, IEC 60297, DIN 41494 5C48D rack width with mounting brackets | EIA 310-D, IEC 60297, DIN 41494 5C48D rack width with mounting brackets |
| Depth | 72 cm (28.25 in)                     | 72 cm (28.25 in)                     |
| Operating temperature | 0-45 °C (32-113 °F)                | 0-45 °C (32-113 °F)                |
| Allowed relative humidity | 5-95%, non-condensing      | 5-95%, non-condensing      |
| Electromagnetic emission certifications & susceptibility standard | US (FCC (Part 15 Class A)), Europe (CE (EN 55032/55024)), Australia (RCM), Japan (VCCI), Korea (KCC), Taiwan (BSMI), China (CCC), India (BIS), Russia (CUTR), Russia (EAC), Saudi Arabia (CITC), Brazil (Anatel), South Africa (ICASA), Mexico (NOM), Egypt (NTRA), Israel (MoC) | US (FCC (Part 15 Class A)), Europe (CE (EN 55032/55024)), Australia (RCM), Japan (VCCI), Korea (KCC), Taiwan (BSMI), China (CCC), India (BIS), Russia (CUTR), Russia (EAC), Saudi Arabia (CITC), Brazil (Anatel), South Africa (ICASA), Mexico (NOM), Egypt (NTRA), Israel (MoC) |
| Regulatory compliance | RoHS, WEEE, REACH                 | RoHS, WEEE                         |
| Citrix compliance regulatory model | 2U1P1A                              | 2U1P1A                              |

<sup>1</sup> Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012

<sup>2</sup> Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.

<sup>3</sup> Hybrid SSL optimization (TLS1-ECDHE-RSA-AES128-SHA 256).
<table>
<thead>
<tr>
<th>Platform</th>
<th>MPX/SDX 15120</th>
<th>MPX/SDX 15100</th>
<th>MPX/SDX 15080</th>
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<tr>
<td>Memory</td>
<td>128 GB</td>
<td>128 GB</td>
<td>128 GB</td>
</tr>
<tr>
<td>Ethernet ports¹</td>
<td>16x 25GE SFP28</td>
<td>16x 25GE SFP28</td>
<td>16x 25GE SFP28</td>
</tr>
<tr>
<td>Transceivers support</td>
<td>25GE SFP28: SR; 10GE SFP+: SR, LR</td>
<td></td>
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<tr>
<td>RAID support</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<td>Pay-As-You-Grow &amp; Burst Pack License upgrades</td>
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<td>Upgrade option to MPX/SDX 15120</td>
<td>Upgrade option to MPX/SDX 15120, 15100</td>
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<table>
<thead>
<tr>
<th>Attributes</th>
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</thead>
<tbody>
<tr>
<td>System throughput, Gbps (L7 throughput)</td>
<td>120</td>
<td>100</td>
<td>80</td>
</tr>
<tr>
<td>L7 HTTP requests/sec</td>
<td>3,900,000</td>
<td>3,600,000</td>
<td>3,500,000</td>
</tr>
<tr>
<td>SSL transactions/sec (2K key certificates)²</td>
<td>162,000</td>
<td>140,000</td>
<td>127,000</td>
</tr>
<tr>
<td>ECDHE transactions/sec³</td>
<td>65,000</td>
<td>60,000</td>
<td>55,000</td>
</tr>
<tr>
<td>SSL throughput, Gbps</td>
<td>74</td>
<td>70</td>
<td>60</td>
</tr>
<tr>
<td>Compression throughput, Gbps</td>
<td>10.8</td>
<td>10.5</td>
<td>9.3</td>
</tr>
<tr>
<td>ICA Proxy/SSL VPN concurrent users</td>
<td>20,000</td>
<td>20,000</td>
<td>20,000</td>
</tr>
<tr>
<td>Number of instances included/ Maximum number of instances (on SDX models)</td>
<td>55/55</td>
<td>50/55</td>
<td>45/55</td>
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</table>

<table>
<thead>
<tr>
<th>Mechanical, environmental, and regulatory</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supplies</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Input voltage and frequency ranges</td>
<td>100-240VAC full range, 50-60 Hz</td>
<td>100-240VAC full range, 50-60 Hz</td>
<td>100-240VAC full range, 50-60 Hz</td>
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<tr>
<td>Optional DC power supply</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Max power supply</td>
<td>1000W</td>
<td>1000W</td>
<td>1000W</td>
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<tr>
<td>Typical, Max power consumption</td>
<td>310W, 420W</td>
<td>310W, 420W</td>
<td>310W, 420W</td>
</tr>
<tr>
<td>Weight, lbs</td>
<td>60</td>
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</tr>
<tr>
<td>Height</td>
<td>2U</td>
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<tr>
<td>Width</td>
<td>EIA 310-D for 19 inch racks</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depth</td>
<td>71.1 cm (28 in)</td>
<td>71.1 cm (28 in)</td>
<td>71.1 cm (28 in)</td>
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<tr>
<td>Operating temperature</td>
<td>0-45 °C (32-113 °F)</td>
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<td>0-45 °C (32-113 °F)</td>
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<tr>
<td>Allowed relative humidity</td>
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<tr>
<td>Electromagnetic emission certifications &amp; susceptibility standard</td>
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<tr>
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<td>RoHS, WEEE, REACH</td>
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<td>Citrix compliance regulatory model</td>
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<td>2U1P1A</td>
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</table>

¹ Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012
² Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.
³ Hybrid SSL optimization (TLS1-ECDHE-RSA-AES128-SHA 256).
<table>
<thead>
<tr>
<th>Platform</th>
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<tr>
<td><strong>Attributes</strong></td>
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<td>16x 25GE SFP28</td>
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<tr>
<td>Transceivers support</td>
<td>25GE SFP28: SR; 10GE SFP+: SR, LR</td>
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</tr>
<tr>
<td>RAID support</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Pay-As-You-Grow &amp; Burst Pack License upgrades</td>
<td>Upgrade option to MPX/SDX 15120, 15100, 15080</td>
<td>Upgrade option to MPX/SDX 15120, 15100, 15080, 15060</td>
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<tr>
<td><strong>Attributes</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>System throughput, Gbps (L7 throughput)</td>
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<td>40</td>
</tr>
<tr>
<td>L7 HTTP requests/sec</td>
<td>3,200,000</td>
<td>3,000,000</td>
</tr>
<tr>
<td>SSL transactions/sec (2K key certificates)²</td>
<td>110,000</td>
<td>66,000</td>
</tr>
<tr>
<td>ECDHE transactions/sec³</td>
<td>45,000</td>
<td>30,000</td>
</tr>
<tr>
<td>SSL throughput, Gbps</td>
<td>50</td>
<td>40</td>
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<td>Compression throughput, Gbps</td>
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<td>7.8</td>
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<td>ICA Proxy/SSL VPN concurrent users</td>
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<td>20,000</td>
</tr>
<tr>
<td>Number of instances included/ Maximum number of instances (on SDX models)</td>
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<td>30/55</td>
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<td><strong>Mechanical, environmental, and regulatory</strong></td>
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<td>Power supplies</td>
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<tr>
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<td>100-240VAC full range, 50-60 Hz</td>
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<tr>
<td>Optional DC power supply</td>
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<td>Max power supply</td>
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<td>1000W</td>
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<tr>
<td>Typical, Max power consumption</td>
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<tr>
<td>Weight, lbs</td>
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<tr>
<td>Depth</td>
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<td>71.1 cm (28 in)</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>0-45 °C (32-113 °F)</td>
<td>0-45 °C (32-113 °F)</td>
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<td>5-95%, non-condensing</td>
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<tr>
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<tr>
<td>Electromagnetic emission certifications &amp; susceptibility standard</td>
<td>US (FCC (Part 15 Class A)), Europe (CE (EN 55032/55024)), Australia (RCM), Japan (VCCI), Korea (KCC), Taiwan (BSMI), China (CCC), India (BIS), Russia (CUTR), Russia (EAC), Saudi Arabia (CITC), Brazil (Anatel), South Africa (ICASA), Mexico (NOM), Egypt (NTRA), Israel (MoC)</td>
<td></td>
</tr>
<tr>
<td>Regulatory compliance</td>
<td>RoHS, WEEE, REACH</td>
<td>RoHS, WEEE, REACH</td>
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<tr>
<td>Citrix compliance regulatory model</td>
<td>2U1P1A</td>
<td>2U1P1A</td>
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</table>

¹ Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012
² Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.
³ Hybrid SSL optimization (TLS1-ECDHE-RSA-AES128-SHA 256).
## Attributes

<table>
<thead>
<tr>
<th>Platform</th>
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<td>16x 25GE SFP28</td>
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<tr>
<td><strong>Transceivers support</strong></td>
<td>25GE SFP28: SR; 10GE SFP+: SR, LR</td>
<td></td>
</tr>
<tr>
<td><strong>RAID support</strong></td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Pay-As-You-Grow &amp; Burst Pack</strong></td>
<td>Upgrade option to MPX/SDX 15120, 15100, 15080, 15060, 15040</td>
<td>Upgrade option to MPX/SDX 15120, 15100, 15080, 15060, 15040, 15030</td>
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<td><strong>License upgrades</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>System throughput, Gbps (L7 throughput)</strong></td>
<td>30</td>
<td>20</td>
</tr>
<tr>
<td><strong>L7 HTTP requests/sec</strong></td>
<td>2,800,000</td>
<td>2,500,000</td>
</tr>
<tr>
<td><strong>SSL transactions/sec (2K key certificates)</strong></td>
<td>42,000</td>
<td>24,000</td>
</tr>
<tr>
<td><strong>ECDHE transactions/sec</strong></td>
<td>20,000</td>
<td>11,000</td>
</tr>
<tr>
<td><strong>SSL throughput, Gbps</strong></td>
<td>30</td>
<td>20</td>
</tr>
<tr>
<td><strong>Compression throughput, Gbps</strong></td>
<td>7.2</td>
<td>6.4</td>
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<tr>
<td><strong>ICA Proxy/SSL VPN concurrent users</strong></td>
<td>20,000</td>
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<td><strong>Number of instances included/Maximum number of instances (on SDX models)</strong></td>
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## Mechanical, environmental, and regulatory

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<th>MPX/SDX 15020</th>
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<tr>
<td><strong>Power supplies</strong></td>
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<tr>
<td><strong>Input voltage and frequency ranges</strong></td>
<td>100-240VAC full range, 50-60 Hz</td>
<td>100-240VAC full range, 50-60 Hz</td>
</tr>
<tr>
<td><strong>Optional DC power supply</strong></td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Max power supply</strong></td>
<td>1000W</td>
<td>1000W</td>
</tr>
<tr>
<td><strong>Typical, Max power consumption</strong></td>
<td>310W, 420W</td>
<td>310W, 420W</td>
</tr>
<tr>
<td><strong>Weight, lbs</strong></td>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td><strong>Height</strong></td>
<td>2U</td>
<td>2U</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>EIA 310-D for 19 inch racks</td>
<td>EIA 310-D for 19 inch racks</td>
</tr>
<tr>
<td><strong>Depth</strong></td>
<td>71.1 cm (28 in)</td>
<td>71.1 cm (28 in)</td>
</tr>
<tr>
<td><strong>Operating temperature</strong></td>
<td>0-45 °C (32-113 °F)</td>
<td>0-45 °C (32-113 °F)</td>
</tr>
<tr>
<td><strong>Allowed relative humidity</strong></td>
<td>5-95%, non-condensing</td>
<td>5-95%, non-condensing</td>
</tr>
<tr>
<td><strong>Safety certifications</strong></td>
<td>IEC 60950-1, 2nd Edition; CSA 60950-1, 2nd Edition; UL 60950-1, 2nd Edition; AS/NZS 60950-1</td>
<td></td>
</tr>
<tr>
<td><strong>Electromagnetic emission certifications &amp; susceptibility standard</strong></td>
<td>US (FCC (Part 15 Class A)), Europe (CE (EN 55032/55024)), Australia (RCM), Japan (VCCI), Korea (KCC), Taiwan (BSMI), China (CCC), India (BIS), Russia (CUTR), Russia (EAC), Saudi Arabia (CITC), Brazil (Anatel), South Africa (ICASA), Mexico (NOM), Egypt (NTRA), Israel (MoC)</td>
<td></td>
</tr>
<tr>
<td><strong>Regulatory compliance</strong></td>
<td>RoHS, WEEE, REACH</td>
<td>RoHS, WEEE, REACH</td>
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<tr>
<td><strong>Citrix compliance regulatory model</strong></td>
<td>2U1P1A</td>
<td>2U1P1A</td>
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</tbody>
</table>

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1. Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012
2. Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.
3. Hybrid SSL optimization (TLS1-ECDHE-RSA-AES128-SHA 256).
### Attributes

<table>
<thead>
<tr>
<th>Platform</th>
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<tbody>
<tr>
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<td>64 GB</td>
<td>64 GB</td>
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<tr>
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<td>16x 10GE SFP+</td>
<td>16x 10GE SFP+</td>
<td>16x 10GE SFP+</td>
</tr>
<tr>
<td><strong>Transceivers support</strong></td>
<td>10GE SFP+: SR, LR; 1GE SFP: CU</td>
<td>10GE SFP+: SR, LR; 1GE SFP: CU</td>
<td>10GE SFP+: SR, LR; 1GE SFP: CU</td>
</tr>
<tr>
<td><strong>RAID support</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Pay-As-You-Grow &amp; Burst Pack License upgrades</strong></td>
<td>-</td>
<td>Upgrade option to MPX/SDX 14100</td>
<td>Upgrade option to MPX/SDX 14080, 14100</td>
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#### System throughput, Gbps (L7 throughput)

<table>
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<tr>
<th>Platform</th>
<th>MPX/SDX 14100</th>
<th>MPX/SDX 14080</th>
<th>MPX/SDX 14060</th>
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<tbody>
<tr>
<td><strong>L7 HTTP requests/sec</strong></td>
<td>100</td>
<td>80</td>
<td>60</td>
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<tr>
<td><strong>SSL transactions/sec (2K key certificates)</strong></td>
<td>3,000,000</td>
<td>2,800,000</td>
<td>2,400,000</td>
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<tr>
<td><strong>ECDHE transactions/sec</strong></td>
<td>69,000</td>
<td>69,000</td>
<td>69,000</td>
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<tr>
<td><strong>SSL throughput, Gbps</strong></td>
<td>46</td>
<td>43</td>
<td>40</td>
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<tr>
<td><strong>Compression throughput, Gbps</strong></td>
<td>10</td>
<td>8.5</td>
<td>8</td>
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<tr>
<td><strong>ICA Proxy/SSL VPN concurrent users</strong></td>
<td>20,000</td>
<td>20,000</td>
<td>20,000</td>
</tr>
<tr>
<td><strong>Number of instances included/Maximum number of instances (on SDX models)</strong></td>
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#### Mechanical, environmental, and regulatory

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<tr>
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<th>MPX/SDX 14080</th>
<th>MPX/SDX 14060</th>
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<tbody>
<tr>
<td><strong>Power supplies</strong></td>
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<td>2</td>
<td>2</td>
</tr>
<tr>
<td><strong>Input voltage and frequency ranges</strong></td>
<td>100-240VAC full range, 50-60 Hz</td>
<td>100-240VAC full range, 50-60 Hz</td>
<td>100-240VAC full range, 47-63 Hz</td>
</tr>
<tr>
<td><strong>Optional DC power supply</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Max power supply</strong></td>
<td>528W</td>
<td>528W</td>
<td>528W</td>
</tr>
<tr>
<td><strong>Typical, Max power consumption</strong></td>
<td>300W, 1024 BTU/Hr</td>
<td>300W, 1024 BTU/Hr</td>
<td>300W, 1024 BTU/Hr</td>
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<td>60</td>
<td>60</td>
</tr>
<tr>
<td><strong>Height</strong></td>
<td>2U</td>
<td>2U</td>
<td>2U</td>
</tr>
<tr>
<td><strong>Depth</strong></td>
<td>EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Operating temperature</strong></td>
<td>0-45 °C (32-113 °F)</td>
<td>0-45 °C (32-113 °F)</td>
<td>0-45 °C (32-113 °F)</td>
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<td><strong>Allowed relative humidity</strong></td>
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<td>5-95%, non-condensing</td>
<td>5-95%, non-condensing</td>
</tr>
<tr>
<td><strong>Safety certifications</strong></td>
<td>CSA</td>
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<td></td>
</tr>
<tr>
<td><strong>Electromagnetic emission certifications &amp; susceptibility standard</strong></td>
<td>FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES</td>
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<tr>
<td><strong>Regulatory compliance</strong></td>
<td>RoHS, WEEE, NEBS Level 3 Available</td>
<td>RoHS, WEEE, NEBS Level 3 Available</td>
<td>RoHS, WEEE</td>
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<td>2U1P1B</td>
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1. Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012
2. Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.
3. Maximum ECDHE key transactions per second (TLS1-ECDHE-RSA-AES182-SHA 256), (Accelerated transactions only)
## Attributes

<table>
<thead>
<tr>
<th>Platform</th>
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<td>64 GB</td>
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<tr>
<td><strong>Ethernet ports</strong></td>
<td>16x 10GE SFP+</td>
<td>16x 10GE SFP+</td>
<td>16x 10GE SFP+</td>
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<tr>
<td><strong>Transceivers support</strong></td>
<td>10GE SFP+: SR, LR; 1GE SFP: CU</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>RAID support</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Pay-As-You-Grow &amp; Burst Pack License upgrades</strong></td>
<td>Upgrade option to MPX/SDX 14060, 14080, 14100</td>
<td>Upgrade option to MPX/SDX 14040, 14060, 14080, 14100</td>
<td>Upgrade option to MPX/SDX 14030, 14040, 14060, 14080, 14100</td>
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## Attributes

| System throughput, Gbps (L7 throughput) | 40 | 30 | 20 |
| L7 HTTP requests/sec                   | 2,400,000 | 2,000,000 | 1,700,000 |
| SSL transactions/sec (2K key certificates) | 42,000 | 30,000 | 22,000 |
| ECDHE transactions/sec                 | 25,500 (3,400) | 23,000 (3,100) | 20,000 (3,000) |
| SSL throughput, Gbps                   | 34 | 23 | 20 |
| Compression throughput, Gbps           | 6 | 5 | 4.4 |
| ICA Proxy/SSL VPN concurrent users     | 20,000 | 20,000 | 20,000 |
| Number of instances included/Maximum number of instances (on SDX models) | 20/25 | 10/25 | 5/25 |

## Mechanical, environmental, and regulatory

| Power supplies | 2 | 2 | 2 |
| Input voltage and frequency ranges | 100-240VAC full range, 47-63 Hz | 100-240VAC full range, 47-63 Hz | 100-240VAC full range, 47-63 Hz |
| Optional DC power supply | Yes | Yes | Yes |
| Max power supply | 528W | 528W | 528W |
| Typical, Max power consumption | 300W, 1024 BTU/Hr | 300W, 1024 BTU/Hr | 300W, 1024 BTU/Hr |
| Weight, lbs | 60 | 60 | 60 |
| Height | 2U | 2U | 2U |
| Width | EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets | EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets | EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets |
| Operating temperature | 0-45 °C (32-113 °F) | 0-45 °C (32-113 °F) | 0-45 °C (32-113 °F) |
| Allowed relative humidity | 5-95%, non-condensing | 5-95%, non-condensing | 5-95%, non-condensing |
| Safety certifications | CSA |
| Electromagnetic emission certifications & susceptibility standard | FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES |
| Regulatory compliance | RoHS, WEEE | RoHS, WEEE | RoHS, WEEE |
| Citrix compliance regulatory model | 2U1P1B | 2U1P1B | 2U1P1B |

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1. Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012
2. Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.
3. Maximum ECDHE key transactions per second (TLS1-ECDHE-RSA-AES182-SHA 256), (Accelerated transactions only)
## Attributes

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<th>MPX/SDX 14060-40G</th>
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<td>64 GB</td>
<td>64 GB</td>
</tr>
<tr>
<td><strong>Ethernet ports</strong>&lt;sup&gt;1&lt;/sup&gt;</td>
<td>4x 40GE QSFP+ 16x 10GE SFP+</td>
<td>4x 40GE QSFP+ 16x 10GE SFP+</td>
<td>4x 40GE QSFP+ 16x 10GE SFP+</td>
</tr>
<tr>
<td><strong>Transceivers support</strong></td>
<td>40GE QSFP+: SR4; 10GE SFP+: SR, LR</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>RAID support</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Pay-As-You-Grow &amp; Burst Pack License upgrades</strong></td>
<td>-</td>
<td>Upgrade option to MPX/SDX 14100-40G</td>
<td>Upgrade option to MPX/SDX 14100/80-40G</td>
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### Attributes

<table>
<thead>
<tr>
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<th>MPX/SDX 14100-40G</th>
<th>MPX/SDX 14080-40G</th>
<th>MPX/SDX 14060-40G</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>System throughput, Gbps (L7 throughput)</strong></td>
<td>100</td>
<td>80</td>
<td>60</td>
</tr>
<tr>
<td><strong>L7 HTTP requests/sec</strong></td>
<td>2,800,000</td>
<td>2,800,000</td>
<td>2,400,000</td>
</tr>
<tr>
<td><strong>SSL transactions/sec (2K key certificates)</strong>&lt;sup&gt;2&lt;/sup&gt;</td>
<td>69,000</td>
<td>69,000</td>
<td>69,000</td>
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<tr>
<td><strong>ECDHE transactions/sec</strong>&lt;sup&gt;3&lt;/sup&gt;</td>
<td>33,500 (8,200)</td>
<td>32,000 (8,200)</td>
<td>31,500 (8,200)</td>
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<td><strong>SSL throughput, Gbps</strong></td>
<td>45</td>
<td>43</td>
<td>40</td>
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<tr>
<td><strong>Compression throughput, Gbps</strong></td>
<td>8.6</td>
<td>8.6</td>
<td>8</td>
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<tr>
<td><strong>ICA Proxy/SSL VPN concurrent users</strong></td>
<td>20,000</td>
<td>20,000</td>
<td>20,000</td>
</tr>
<tr>
<td><strong>Number of instances included/ Maximum number of instances (on SDX models)</strong></td>
<td>25/25</td>
<td>25/25</td>
<td>25/25</td>
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### Mechanical, environmental, and regulatory

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<th>MPX/SDX 14080-40G</th>
<th>MPX/SDX 14060-40G</th>
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<tr>
<td><strong>Input voltage and frequency ranges</strong></td>
<td>100-240VAC full range, 47-63 Hz</td>
<td>100-240VAC full range, 47-63 Hz</td>
<td>100-240VAC full range, 47-63 Hz</td>
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<tr>
<td><strong>Optional DC power supply</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Max power supply</strong></td>
<td>528W</td>
<td>528W</td>
<td>528W</td>
</tr>
<tr>
<td><strong>Typical, Max power consumption</strong></td>
<td>300W, 1024 BTU/Hr</td>
<td>300W, 1024 BTU/Hr</td>
<td>300W, 1024 BTU/Hr</td>
</tr>
<tr>
<td><strong>Weight, lbs</strong></td>
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<td>60</td>
<td>60</td>
</tr>
<tr>
<td><strong>Height</strong></td>
<td>2U</td>
<td>2U</td>
<td>2U</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets</td>
<td>EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets</td>
<td>EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets</td>
</tr>
<tr>
<td><strong>Depth</strong></td>
<td>71.1 cm (28 in)</td>
<td>71.1 cm (28 in)</td>
<td>71.1 cm (28 in)</td>
</tr>
<tr>
<td><strong>Operating temperature</strong></td>
<td>0-45 °C (32-113 °F)</td>
<td>0-45 °C (32-113 °F)</td>
<td>0-45 °C (32-113 °F)</td>
</tr>
<tr>
<td><strong>Allowed relative humidity</strong></td>
<td>5-95%, non-condensing</td>
<td>5-95%, non-condensing</td>
<td>5-95%, non-condensing</td>
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</table>

### Safety certifications

- CSA

### Electromagnetic emission certifications & susceptibility standard

- FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES

### Regulatory compliance

- RoHS, WEEE

### Citrix compliance regulatory model

- 2U1P1B
## Attributes

<table>
<thead>
<tr>
<th>Platform</th>
<th>MPX/SDX 14040-40G</th>
<th>MPX/SDX 14020-40G</th>
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<tr>
<td><strong>Attributes</strong></td>
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<tr>
<td>Memory</td>
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<td>64 GB</td>
</tr>
<tr>
<td>Ethernet ports</td>
<td>4x 40GE QSFP+ 16x 10GE SFP+</td>
<td>4x 40GE QSFP+ 16x 10GE SFP+</td>
</tr>
<tr>
<td>Transceivers support</td>
<td>40GE QSFP+: SR4; 10GE SFP+: SR, LR</td>
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<tr>
<td>RAID support</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Pay-As-You-Grow &amp; Burst Pack License upgrades</td>
<td>Upgrade option to MPX/SDX 14100/80/60-40G</td>
<td>Upgrade option to MPX/SDX 14100/80/60/40-40G</td>
</tr>
</tbody>
</table>

### System throughput, Gbps (L7 throughput)
- MPX/SDX 14040-40G: 40
- MPX/SDX 14020-40G: 20

### L7 HTTP requests/sec
- MPX/SDX 14040-40G: 2,400,000
- MPX/SDX 14020-40G: 1,400,000

### SSL transactions/sec (2K key certificates)
- MPX/SDX 14040-40G: 42,000
- MPX/SDX 14020-40G: 22,000

### ECDHE transactions/sec
- MPX/SDX 14040-40G: 25,500 (3,400)
- MPX/SDX 14020-40G: 20,000 (3,000)

### SSL throughput, Gbps
- MPX/SDX 14040-40G: 34
- MPX/SDX 14020-40G: 21

### Compression throughput, Gbps
- MPX/SDX 14040-40G: 6
- MPX/SDX 14020-40G: 4.4

### ICA Proxy/SSL VPN concurrent users
- MPX/SDX 14040-40G: 20,000
- MPX/SDX 14020-40G: 20,000

### Number of instances included/Maximum number of instances (on SDX models)
- MPX/SDX 14040-40G: 20/25
- MPX/SDX 14020-40G: 5/25

### Mechanical, environmental, and regulatory

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<th>Platform</th>
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<tr>
<td><strong>Input voltage and frequency ranges</strong></td>
<td>100-240VAC full range, 47-63 Hz</td>
<td>100-240VAC full range, 47-63 Hz</td>
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<tr>
<td><strong>Optional DC power supply</strong></td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td><strong>Max power supply</strong></td>
<td>528W</td>
<td>528W</td>
</tr>
<tr>
<td><strong>Typical, Max power consumption</strong></td>
<td>300W, 1024 BTU/Hr</td>
<td>300W, 1024 BTU/Hr</td>
</tr>
<tr>
<td><strong>Weight, lbs</strong></td>
<td>60</td>
<td>60</td>
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<tr>
<td><strong>Height</strong></td>
<td>2U</td>
<td>2U</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets</td>
<td></td>
</tr>
<tr>
<td><strong>Depth</strong></td>
<td>71.1 cm (28 in)</td>
<td>71.1 cm (28 in)</td>
</tr>
<tr>
<td><strong>Operating temperature</strong></td>
<td>0-45 °C (32-113 °F)</td>
<td>0-45 °C (32-113 °F)</td>
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<tr>
<td><strong>Allowed relative humidity</strong></td>
<td>5-95%, non-condensing</td>
<td>5-95%, non-condensing</td>
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<td><strong>Safety certifications</strong></td>
<td>CSA</td>
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<tr>
<td><strong>Electromagnetic emission certifications &amp; susceptibility standard</strong></td>
<td>FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES</td>
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</tr>
<tr>
<td><strong>Regulatory compliance</strong></td>
<td>RoHS, WEEE</td>
<td>RoHS, WEEE</td>
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<tr>
<td><strong>Citrix compliance regulatory model</strong></td>
<td>2U1P1B</td>
<td>2U1P1B</td>
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1. Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012
2. Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.
3. Maximum ECDHE key transactions per second (TLS1-ECDHE-RSA-AES128-SHA 256), (Accelerated transactions only)
<table>
<thead>
<tr>
<th>Attributes</th>
<th>MPX/SDX 14100-40S</th>
<th>MPX/SDX 14080-40S</th>
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<tbody>
<tr>
<td>Memory</td>
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<td>64 GB</td>
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<tr>
<td>Ethernet ports</td>
<td>4x 40GE QSFP+</td>
<td>4x 40GE QSFP+</td>
</tr>
<tr>
<td>Transceivers support</td>
<td>8x 10GE SFP+</td>
<td>8x 10GE SFP+</td>
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<tr>
<td>RAID support</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Pay-As-You-Grow &amp; Burst Pack</td>
<td>-</td>
<td>Upgrade option to MPX/SDX 14100-40S</td>
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<table>
<thead>
<tr>
<th>Attributes</th>
<th>MPX/SDX 14100-40S</th>
<th>MPX/SDX 14080-40S</th>
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<tbody>
<tr>
<td>System throughput, Gbps (L7 throughput)</td>
<td>100</td>
<td>80</td>
</tr>
<tr>
<td>L7 HTTP requests/sec</td>
<td>2,900,000</td>
<td>2,800,000</td>
</tr>
<tr>
<td>SSL transactions/sec (2K key certificates)²</td>
<td>275,000</td>
<td>207,000</td>
</tr>
<tr>
<td>ECDHE transactions/sec³</td>
<td>51,000 (32,500)</td>
<td>45,000 (24,000)</td>
</tr>
<tr>
<td>SSL throughput, Gbps</td>
<td>59</td>
<td>54</td>
</tr>
<tr>
<td>Compression throughput, Gbps</td>
<td>10.5</td>
<td>8.6</td>
</tr>
<tr>
<td>ICA Proxy/SSL VPN concurrent users</td>
<td>20,000</td>
<td>20,000</td>
</tr>
<tr>
<td>Number of instances included/Maximum number of instances (on SDX models)</td>
<td>25/25</td>
<td>25/25</td>
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</table>

<table>
<thead>
<tr>
<th>Mechanical, environmental, and regulatory</th>
<th></th>
</tr>
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<tbody>
<tr>
<td>Power supplies</td>
<td>2</td>
</tr>
<tr>
<td>Input voltage and frequency ranges</td>
<td>100-240VAC full range, 47-63 Hz</td>
</tr>
<tr>
<td>Optional DC power supply</td>
<td>Yes</td>
</tr>
<tr>
<td>Max power supply</td>
<td>528W</td>
</tr>
<tr>
<td>Typical, Max power consumption</td>
<td>300W, 1024 BTU/Hr</td>
</tr>
<tr>
<td>Weight, lbs</td>
<td>60</td>
</tr>
<tr>
<td>Height</td>
<td>2U</td>
</tr>
<tr>
<td>Width</td>
<td>EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets</td>
</tr>
<tr>
<td>Depth</td>
<td>71.1 cm (28 in)</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>0-45 °C (32-113 °F)</td>
</tr>
<tr>
<td>Allowed relative humidity</td>
<td>5-95%, non-condensing</td>
</tr>
<tr>
<td>Safety certifications</td>
<td>CSA</td>
</tr>
<tr>
<td>Electromagnetic emission certifications &amp; susceptibility standard</td>
<td>FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES</td>
</tr>
<tr>
<td>Regulatory compliance</td>
<td>RoHS, WEEE</td>
</tr>
<tr>
<td>Citrix compliance regulatory model</td>
<td>2U1P1B</td>
</tr>
</tbody>
</table>

¹ Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012
² Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.
³ Maximum ECDHE key transactions per second (TLS1-ECDHE-RSA-AES1B2-SHA 256), (Accelerated transactions only)
## Attributes

<table>
<thead>
<tr>
<th>Platform</th>
<th>MPX/SDX 14060-40S</th>
<th>MPX/SDX 14040-40S</th>
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<tr>
<td><strong>Memory</strong></td>
<td>64 GB</td>
<td>64 GB</td>
</tr>
<tr>
<td><strong>Ethernet ports</strong>&lt;sup&gt;1&lt;/sup&gt;</td>
<td>4x 40GE QSFP+ 8x 10GE SFP+</td>
<td>4x 40GE QSFP+ 8x 10GE SFP+</td>
</tr>
<tr>
<td><strong>Transceivers support</strong></td>
<td>40GE QSFP+: SR4; 10GE SFP+: SR, LR</td>
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<tr>
<td><strong>RAID support</strong></td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Pay-As-You-Grow &amp; Burst Pack License upgrades</strong></td>
<td>Upgrade option to MPX/SDX 14100/80-40S</td>
<td>Upgrade option to MPX/SDX 14100/80/60-40S</td>
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</table>

### System throughput, Gbps (L7 throughput)

<table>
<thead>
<tr>
<th>Platform</th>
<th>MPX/SDX 14060-40S</th>
<th>MPX/SDX 14040-40S</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>L7 HTTP requests/sec</strong></td>
<td>2,700,000</td>
<td>2,400,000</td>
</tr>
<tr>
<td><strong>SSL transactions/sec (2K key certificates)</strong>&lt;sup&gt;2&lt;/sup&gt;</td>
<td>172,000</td>
<td>103,000</td>
</tr>
<tr>
<td><strong>ECDHE transactions/sec</strong>&lt;sup&gt;3&lt;/sup&gt;</td>
<td>39,500 (20,000)</td>
<td>26,500 (12,000)</td>
</tr>
<tr>
<td><strong>SSL throughput, Gbps</strong></td>
<td>49</td>
<td>43</td>
</tr>
<tr>
<td><strong>Compression throughput, Gbps</strong></td>
<td>8</td>
<td>7.5</td>
</tr>
<tr>
<td><strong>ICA Proxy/SSL VPN concurrent users</strong></td>
<td>20,000</td>
<td>20,000</td>
</tr>
<tr>
<td><strong>Number of instances included/Maximum number of instances (on SDX models)</strong></td>
<td>20/25</td>
<td>20/25</td>
</tr>
</tbody>
</table>

### Mechanical, environmental, and regulatory

| Power supplies | 2 | 2 |
| **Input voltage and frequency ranges** | 100-240VAC full range, 47-63 Hz | 100-240VAC full range, 47-63 Hz |
| **Optional DC power supply** | Yes | Yes |
| **Max power supply** | 528W | 528W |
| **Typical, Max power consumption** | 300W, 1024 BTU/Hr | 300W, 1024 BTU/Hr |
| **Weight, lbs** | 60 | 60 |
| **Height** | 2U | 2U |
| **Width** | EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets | EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets |
| **Depth** | 71.1 cm (28 in) | 71.1 cm (28 in) |
| **Operating temperature** | 0-45 °C (32-113 °F) | 0-45 °C (32-113 °F) |
| **Allowed relative humidity** | 5-95%, non-condensing | 5-95%, non-condensing |
| **Safety certifications** | CSA | CSA |
| **Electromagnetic emission certifications & susceptibility standard** | FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES | FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES |
| **Regulatory compliance** | RoHS, WEEE | RoHS, WEEE |
| **Citrix compliance regulatory model** | 2U1P1B | 2U1P1B |

---

<sup>1</sup> Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012

<sup>2</sup> Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.

<sup>3</sup> Maximum ECDHE key transactions per second (TLS1-ECDHE-RSA-AES128-SHA 256), (Accelerated transactions only)
<table>
<thead>
<tr>
<th>Platform</th>
<th>MPX/SDX 14080 FIPS</th>
<th>MPX/SDX 14060 FIPS</th>
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<td></td>
</tr>
<tr>
<td>Memory</td>
<td>64 GB</td>
<td>64 GB</td>
<td>64 GB</td>
</tr>
<tr>
<td>Ethernet ports¹</td>
<td>16x 10GE SFP+</td>
<td>16x 10GE SFP+</td>
<td>16x 10GE SFP+</td>
</tr>
<tr>
<td>Transceivers support</td>
<td>10GE SFP+: SR, LR; 1GE SFP: CU</td>
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<td></td>
</tr>
<tr>
<td>RAID support</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
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<td>Pay-As-You-Grow &amp; Burst Pack License upgrades</td>
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<td>Upgrade option to MPX/SDX 14080 FIPS</td>
<td>Upgrade option to MPX/SDX 14060 FIPS, 14080 FIPS</td>
</tr>
<tr>
<td><strong>Attributes</strong></td>
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<td>System throughput, Gbps (L7 throughput)</td>
<td>80</td>
<td>60</td>
<td>30</td>
</tr>
<tr>
<td>L7 HTTP requests/sec</td>
<td>2,000,000</td>
<td>1,800,000</td>
<td>1,400,000</td>
</tr>
<tr>
<td>SSL transactions/sec (2K key certificates)²</td>
<td>33,000</td>
<td>25,000</td>
<td>18,000</td>
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<tr>
<td>ECDHE transactions/sec³</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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<tr>
<td>SSL throughput, Gbps</td>
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<td>Compression throughput, Gbps</td>
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<td>5</td>
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<td>ICA Proxy/SSL VPN concurrent users</td>
<td>20,000</td>
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<td>20,000</td>
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<tr>
<td>Number of instances included/Maximum number of instances (on SDX models)</td>
<td>25/25</td>
<td>25/25</td>
<td>10/25</td>
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<tr>
<td><strong>Mechanical, environmental, and regulatory</strong></td>
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<tr>
<td>Power supplies</td>
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<td>Input voltage and frequency ranges</td>
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<tr>
<td>Max power supply</td>
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<td>Height</td>
<td>2U</td>
<td>2U</td>
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<tr>
<td>Width</td>
<td>EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets</td>
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<td></td>
</tr>
<tr>
<td>Depth</td>
<td>71.1 cm (28 in)</td>
<td>71.1 cm (28 in)</td>
<td>71.1 cm (28 in)</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>0-45 °C (32-113 °F)</td>
<td>0-45 °C (32-113 °F)</td>
<td>0-45 °C (32-113 °F)</td>
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<td>Allowed relative humidity</td>
<td>5-95%, non-condensing</td>
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<tr>
<td>Safety certifications</td>
<td>CSA</td>
<td></td>
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<tr>
<td>Electromagnetic emission certifications &amp; susceptibility standard</td>
<td>FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES</td>
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<td>Regulatory compliance</td>
<td>RoHS, WEEE, FIPS 140-2, Level 3</td>
<td>RoHS, WEEE, FIPS 140-2, Level 3</td>
<td>RoHS, WEEE, FIPS 140-2, Level 3</td>
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<td>2U1P1B</td>
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</tbody>
</table>

¹ Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012
² Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.
³ Hybrid SSL optimization (TLS1-ECDHE-RSA-AES182-SHA 256)
### Attributes

<table>
<thead>
<tr>
<th>Platform</th>
<th>MPX/SDX 8930</th>
<th>MPX/SDX 8920</th>
</tr>
</thead>
<tbody>
<tr>
<td>Memory</td>
<td>32 GB</td>
<td>32 GB</td>
</tr>
<tr>
<td>Ethernet ports&lt;sup&gt;1&lt;/sup&gt;</td>
<td>4x 10GE SFP+ 6x 10/100/1000 CU</td>
<td>4x 10GE SFP+ 6x 10/100/1000 CU</td>
</tr>
<tr>
<td>Transceivers support</td>
<td>10GE SFP+: SR, LR</td>
<td>10GE SFP+: SR, LR</td>
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<tr>
<td>RAID support</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Pay-As-You-Grow &amp; Burst Pack License upgrades</td>
<td>-</td>
<td>Upgrade option to MPX/SDX 8930</td>
</tr>
</tbody>
</table>

### Attributes

| System throughput, Gbps (L7 throughput) | 33 | 20 |
| L7 HTTP requests/sec | 2,300,000 | 1,700,000 |
| SSL transactions/sec (2K key certificates)<sup>2</sup> | 40,000 | 22,000 |
| ECDHE transactions/sec<sup>3</sup> | 16,000 | 10,000 |
| SSL throughput, Gbps | 25 | 20 |
| Compression throughput, Gbps | 4.8 | 4 |
| ICA Proxy/SSL VPN concurrent users | 10,000 | 10,000 |
| Number of instances included/Maximum number of instances (on SDX models) | 2/7 | 2/7 |

### Mechanical, environmental, and regulatory

| Power supplies | 1 (2nd optional) | 1 (2nd optional) |
| Input voltage and frequency ranges | 100-240VAC full range, 50-60 Hz | 100-240VAC full range, 50-60 Hz |
| Optional DC power supply | Yes | Yes |
| Max power supply | 275W | 275W |
| Typical, Max power consumption | 225W | 225W |
| Weight, lbs | 25 | 25 |
| Height | 1U | 1U |
| Width | EIA 310-D for 19 inch racks | EIA 310-D for 19 inch racks |
| Depth | 61 cm (24 in) | 61 cm (24 in) |
| Operating temperature | 0-45 °C (32-113 °F) | 0-45 °C (32-113 °F) |
| Allowed relative humidity | 5-95%, non-condensing | 5-95%, non-condensing |
| Safety certifications | CSA | CSA |
| Electromagnetic emission certifications & susceptibility standard | FCC, CE, VCCI, RCM, CCC, KCC, BIS, NOM, CRTC, ICASA, EAC | FCC, CE, VCCI, RCM, CCC, KCC, BIS, NOM, CRTC, ICASA, EAC |
| Regulatory compliance | RoHS, WEEE, REACH | RoHS, WEEE, REACH |
| Citrix compliance regulatory model | 1U1P1A | 1U1P1A |

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<sup>1</sup> Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012

<sup>2</sup> Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.

<sup>3</sup> Hybrid SSL optimization (TLS1-ECDHE-RSA-AES182-SHA256).
<table>
<thead>
<tr>
<th>Attributes</th>
<th>MPX 8910</th>
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<td>Memory</td>
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<td>32 GB</td>
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<tr>
<td>Ethernet ports&lt;sup&gt;1&lt;/sup&gt;</td>
<td>4x 10GE SFP+&lt;br&gt;6x 10/100/1000 CU</td>
<td>4x 10GE SFP+&lt;br&gt;6x 10/100/1000 CU</td>
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<tr>
<td>Transceivers support</td>
<td>10GE SFP+: SR, LR</td>
<td>10GE SFP+: SR, LR</td>
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<td>RAID support</td>
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<td>No</td>
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<tr>
<td>Pay-As-You-Grow &amp; Burst Pack License upgrades</td>
<td>Upgrade option to MPX 8920, 8930</td>
<td>Upgrade option to MPX 8910, 8920, 8930</td>
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### System Attributes

<table>
<thead>
<tr>
<th>Attributes</th>
<th>MPX 8910</th>
<th>MPX 8905</th>
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</thead>
<tbody>
<tr>
<td>System throughput, Gbps (L7 throughput)</td>
<td>10</td>
<td>5</td>
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<tr>
<td>L7 HTTP requests/sec</td>
<td>1,400,000</td>
<td>990,000</td>
</tr>
<tr>
<td>SSL transactions/sec (2K key certificates)&lt;sup&gt;2&lt;/sup&gt;</td>
<td>13,000</td>
<td>8,000</td>
</tr>
<tr>
<td>ECDHE transactions/sec&lt;sup&gt;3&lt;/sup&gt;</td>
<td>6,000</td>
<td>4,000</td>
</tr>
<tr>
<td>SSL throughput, Gbps</td>
<td>10</td>
<td>5</td>
</tr>
<tr>
<td>Compression throughput, Gbps</td>
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<td>2.5</td>
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<tr>
<td>ICA Proxy/SSL VPN concurrent users</td>
<td>10,000</td>
<td>10,000</td>
</tr>
<tr>
<td>Number of instances included/Maximum number of instances (on SDX models)</td>
<td>N/A</td>
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### Mechanical, environmental, and regulatory

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<td>100-240VAC full range, 50-60 Hz</td>
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<tr>
<td>Height</td>
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<td>1U</td>
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<td>Width</td>
<td>EIA 310-D for 19 inch racks</td>
<td>EIA 310-D for 19 inch racks</td>
</tr>
<tr>
<td>Depth</td>
<td>61 cm (24 in)</td>
<td>61 cm (24 in)</td>
</tr>
<tr>
<td>Operating temperature</td>
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<td>0-45 °C (32-113 °F)</td>
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<tr>
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<td>CSA</td>
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<td>FCC, CE, VCCI, RCM, CCC, KCC, BIS, NOM, CITC, ICASA, EAC</td>
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<tr>
<td>Citrix compliance regulatory model</td>
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<td>1U1P1A</td>
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</tbody>
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<sup>1</sup> Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012

<sup>2</sup> Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.

<sup>3</sup> Hybrid SSL optimization (TLS1-ECDHE-RSA-AES128-GCM-SHA256).
<table>
<thead>
<tr>
<th>Platform</th>
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<td>16 GB</td>
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<td>2x 10GE SFP 6x 10/100/1000 CU</td>
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<td>Transceivers support</td>
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<td>10GE SFP+: SR, LR; 1GE SFP: CU</td>
<td>10GE SFP+: SR, LR; 1GE SFP: CU</td>
</tr>
<tr>
<td>RAID support</td>
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<td>No</td>
</tr>
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<td>Pay-As-You-Grow &amp; Burst Pack License upgrades</td>
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</tr>
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<td><strong>Attributes</strong></td>
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<tr>
<td>System throughput, Gbps (L7 throughput)</td>
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<td>5</td>
<td>1</td>
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<tr>
<td>L7 HTTP requests/sec</td>
<td>900,000</td>
<td>700,000</td>
<td>400,000</td>
</tr>
<tr>
<td>SSL transactions/sec (2K key certificates)(^2)</td>
<td>12,000</td>
<td>6,000</td>
<td>4,000</td>
</tr>
<tr>
<td>ECDHE transactions/sec(^3)</td>
<td>6,000</td>
<td>3,000</td>
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<td>SSL throughput, Gbps</td>
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<td>Compression throughput, Gbps</td>
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<td>ICA Proxy/SSL VPN concurrent users</td>
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</tr>
<tr>
<td>Number of instances included/Maximum number of instances (on SDX models)</td>
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<td>N/A</td>
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<td><strong>Mechanical, environmental, and regulatory</strong></td>
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</tr>
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<td>Power supplies</td>
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<td>Input voltage and frequency ranges</td>
<td>100-240VAC full range</td>
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<tr>
<td>Optional DC power supply</td>
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<td>1U</td>
<td>1U</td>
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<td>Depth</td>
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<tr>
<td>Allowed relative humidity</td>
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<td>5-95%, non-condensing</td>
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<tr>
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<tr>
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<td>1U1P1A</td>
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</tr>
</tbody>
</table>

\(^1\) Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012

\(^2\) Performance varies depending on ciphers deployed. Contact your Citrix sales representative for details.

\(^3\) Hybrid SSL optimization (TLS1-ECDHE-RSA-AES182-SHA256).
Technical Aspects

Citrix Gateway

- Provides consolidation of secure remote access infrastructure with one URL
- Provides SAML 2.0 federated identity to provide single sign-on (SSO) across all applications, whether in a data center or in a cloud
- One URL to access any application
- Always-On allows auto-reconnect of SSL VPN session when users are moving between networks
- Integration with StoreFront allows importing UI changes from StoreFront to Gateway portal and vice versa
- Gateway Insight for monitoring and troubleshooting all Gateway traffic for issues like authentication, EPA, single sign-on failures, etc.
- nFactor authentication for all applications
- Stateless RDP proxy
- Support for Linux (Ubuntu 14.04 32bit / 64bit, Ubuntu 12.04 32bit / 64bit
- Support for Mac (OS X 10.9 (Mavericks), OS X 10.10 (Yosemite)
- Support for Windows 7, 8, and 8.1 (32bit / 64bit)
- Support for iOS 7.1 or later. Compatible with iPhone, iPad, and iPod touch.
- Support for Android 4.1.x and 4.2.x (Jelly Bean), 4.4.x (KitKat), 5.x (Lollipop)

Secure access

- Citrix Virtual Apps and Desktops and Citrix Endpoint Management, formerly XenMobile, integration
- Device certificate scanning
- Single sign-on using NTLM/Kerberos/SAML, etc.
- SmartAccess: Adaptive application and action control enforced on Citrix Virtual Apps and Desktops servers
- SmartControl: Adaptive application and action control enforced on Citrix Gateway, thereby providing centralized policy management and security at the edge
- Integrated Citrix Gateway SSL VPN
- For ADC versions after 11.1, the Standard edition includes (500) Universal licenses, Enterprise or Advanced editions include (1000) Universal licenses, and there are no Universal license requirements with Platinum or Premium editions. For versions previous to Citrix ADC 11.1, the Standard and Enterprise editions include (5) Universal licenses, and the Platinum edition includes (100) Universal licenses.
- Endpoint analysis of user device
- SAML 2.0 and nFactor; passwords for single sign on to applications running behind Citrix Gateway
- AAA traffic management
• SAML 2.0 and NTLMv1/2 support for configuring ADC with single sign-on (SSO)
• Support for Active Directory, LDAP, RADIUS, TACACS+, OCSP, Diameter, etc.

### L4-7 Traffic Management

**Layer 4 load balancing (LB)**
- Protocols supported: TCP, UDP, FTP, HTTP, HTTPS, DNS (TCP and UDP), SIP (over UDP), RTSP, RADIUS, Diameter, SQL, RDP, IS-IS, SMPP
- Session persistence: Source IP, cookie, server, group, SSL session, SIP CALLID, Token-based, SESSIONID, Diameter AVP
- Session protocols: TCP, UDP, SSL_TCP, Multi-path TCP, SPDY
- Server monitoring: Ping, TCP, URL, ECV, scriptable health checks, Dynamic Server Response Time
- Link load balancing

**Layer 7 content switching**
- Policies: URL, URL Query, URL Wildcard, Domain, Source/ Destination IP, HTTP Header, Custom, HTTP and TCP Payload Values, UDP, Diameter AVP
- Switch requests based on protocol of incoming packets

**Database load balancing**
- Support for Microsoft SQL Server and MySQL
- Switching algorithms include SQL query parameters such as user and database names and command parameters
- Token-based load balancing provides advanced configuration for persistence and fault-tolerant deployments

**TriScale Clustering**
- inScale-Outlin with clustering up to 32 Citrix ADC appliances into single system image and up to 3 Tbps throughput
- Configuration Coordinator node for centralized management and synchronization
- Compatible with Pay-As-You-Grow and Burst Pack performance upgrades
- Traffic distribution mechanisms include: Equal Cost Multiple Path (ECMP), Link-sets, and Cluster Link Aggregation Group (CLAG)
- Available on Citrix ADC MPX, SDX, and VPX
- Modules may be configured on all nodes in a cluster or using “spotted VIPS,” in which they are added only to a select subset of nodes

**e-based policy enforcement**
- Trigger ADC policies based upon connections per second, packets per second,
or bandwidth used
• Source or destination-based upon header or payload information

Traffic domains
• Allows overlapping IP addresses
• Provides separate routing flows within a single appliance
• Enables basic multi-tenancy implementations

Admin Partitioning
• Independent instances that share resources on the appliance
• Maximum number of 512 admin partitions per appliance

Global server load balancing (GSLB)
• Algorithms: site health, geographic proximity, network proximity, connections, bandwidth, AG-E SSL, VPN users
• Site health checking on status, connection load, packet rate, SNMP-provided metrics

Surge protection and priority queuing
• Adaptive rate control for TCP connections and HTTP requests
• Prioritized transaction dispatch for critical application requests

Carrier-Grade Network Address Translation
• Support for: Full-cone NAT, Deterministic NAT, Endpoint-Independent Mapping and Filtering, Hairpinning
• Application Layer Gateways: FTP, TFTP, ICMP, SIP, RTSP, PPTP, GRE

Subscriber-aware traffic steering
• Policy control interface: Gx, RADIUS

Application Acceleration

TCP optimization
• Multiplexing, buffering, connection keep-alive, windows scaling, selective acknowledgement, fast ramp, TCP Westwood
• AppCompress
• Gzip-based compression for HTTP traffic AppCache
• Caching for static and dynamic application content
• HTTP GET and POST method support
• Policies defined based upon HTTP header and body values

Application Security

DoS attack defense
• Continue service to legitimate users while protecting against attacks such as SYN Flood, HTTP DoS, and Ping of Death
• ICMP and UDP rate control

Content rewriting and response control
• Policy-based bidirectional rewriting of HTTP header and payload elements
• Policy-based redirection of incoming requests
• Body URL rewrite
• Responder module
• Custom responses and redirects
• Policy-based routing
• Network aware policies

SSL Encryption
• Supports Thales nShield and SafeNet HSM integration

DNSSEC
• DNS proxy
• Authoritative DNS
• DNS signing

Packet filtering
• Layer 3 and 4 Access Control Lists (ACL)
• Network Address Translation (NAT)
• IPv4/IPv6 Network Address Translation (NAT)

Citrix Web App Firewall with hybrid security model
• Positive security model protects against: buffer overflow, CGI- BIN parameter manipulation, form/hidden field manipulation, forceful browsing, cookie or session poisoning, broken ACLs, cross-site scripting (XSS), command injection, SQL injection, error triggering sensitive information leak, insecure use of cryptography, server misconfiguration, back doors and debug options, rate-based policy enforcement, well known platform vulnerabilities, zero-day exploits, cross site request forgery (CSRF), credit card and other sensitive data leakage prevention
• Negative security model with automatically updated signatures to protect against L7 and HTTP application vulnerabilities
• Integrates with third-party scanning tools
• Common event format (CEF) logs
• XML security: XML denial of service (xDoS)
• XML SQL injection and cross site scripting, XML message validation, format checks, WS-1 basic profile compliance, XML, xPath injection attachment check, xQuery Injection protection
• WSDL scan prevention
- Attachment checks
- URL transformation
- Cookie proxy and encryption
- SOAP array attack protection

**IP Reputation service**
- Enhanced service that provides a continuously updated list of malicious IP addresses in near realtime

**Cloud connector for Citrix Networking**
- Network connectivity protection via IPSec security
- Datacenter extension through GRE-based network bridging

**Support for Citrix Endpoint Management MDM**
- Front end optimization scalable to over 100,000 concurrent users
- Citrix Gateway connector for Exchange ActiveSync provides a device level authorization service
- Application level policy controlled SSL VPN tunneling for mobile clients

**Network Integration**
- Static routes, monitored static routes, weighted static routes
- OSPF, RIP1/2, BGP2
- VLAN 802.1Q
- Link Aggregation 802.3ad
- Stateful IPv6 to IPv4 network address translation and DNS64
- Static and stateless network address translation from IPv4 to IPv6

**High availability**
- Active/Passive
- Active/Active
- VRRP
- ECMP
- Connection mirroring

**Simplified Installation and Management**

**User interface**
- Graphical application visualizer
- Secure web-based GUI
- CLI, Telnet, SSH, Console
- Real-time performance dashboard
• LB, GSLB Application Firewall and configuration wizards for monitoring
• Citrix Virtual Apps configuration wizards

Policy management
• AppExpert Visual Policy Builder
• Policy extensibility via HTTP service callouts
• AppExpert templates
• AppExpert Visualizers

Command Center
• Centralized configuration and management of over 200 Citrix ADC appliances

Citrix Application Delivery Management (ADM)
• Citrix ADM is a software solution enabling traffic visibility; it includes HDX Insight and Web Insight and is based on AppFlow
• HDX Insight parses ICA sessions to provide troubleshooting, network analysis, and end-to-end performance for Citrix Virtual Apps and Desktops sessions. Historical data included in Premium Edition.
• Web Insight monitors real-time web application traffic and assists capacity planning and helps ensure SLAs
• AppFlow Standards-based NetFlow/IPFIX (Internet Protocol Flow Information Export) solution
• Supported by leading performance monitoring and management vendors
• Provides transaction level visibility for HTTP, SSL, TCP, and SSL/TCP flows

Action analytics
• Aggregates real-time traffic statistics and enables their use in setting dynamic policies
• Charting and analysis utilities using HDX Insight

Third-party management support
• SNMPv1, SNMPv2, and SNMPv3: Citrix ADC MIB and MIB-II support
• Microsoft System Center Operations Management (SCOM) support
• Comtrade support with Management Pack for Citrix ADC
• Microsoft System Center Virtual Machine Manager (SCVMM) support
• XML/SOAP API for automated application-driven configuration

Real-time consolidated logging
• Offloads logging from application server to a central location

Native web interface
• Integrated Web Interface Server for Citrix Virtual Apps and Desktops
• Supports JAVA environments with MPX and VPX platforms running Citrix ADC nCore OS
• Authentication methods include: LDAP, RADIUS, NTLM, TACACS+, Client Certificate
• Manage HTTPS requests via included SSL VPN
• Wizards-based configuration through Citrix ADC GUI
• Login page customization
• Includes Smart Access, smooth roaming, STA server redundancy, and session reliability

Lower Total Cost of Ownership

Web cache redirection

• Automatically direct requests with content not cached on ADC to cache farm
• N-tier multilayer load balancing support of cache servers

1 Additional ADC packs with 3 (8xxx) or 5 (all other models) instances each are available. For SDX 8015, the maximum number of instances is 5.
2 Available in ADC Advanced and Premium editions only.
3 Included in Premium edition only; not available with Standard or Advanced editions.
4 Available as a license upgrade on all editions and for MPX, SDX (excluding 22000 series), and VPX appliances.
5 Advanced edition with AppCache or Premium edition recommended.