



# Dell ObjectScale XF960

## Extreme performance at scale for emerging workloads like Generative AI and real-time analytics

Dell ObjectScale XF960 is enterprise-class, all-flash object storage that is the first member of the ObjectScale X-Series appliance family. Built with NVMe-based SSDs on a 16th-generation Dell PowerEdge server, the XF960 appliance delivers extreme performance at scale for emerging workloads such as generative AI, machine learning, IoT and real-time analytics applications. The XF960 hardware stack includes servers, network switches, rack-mount equipment and appropriate power cables, all optimized to run ObjectScale software.

The XF960 embraces the NVMe-OF (non-volatile memory express over fabrics) protocol for its blazing-fast 100Gb backend network, accelerating node-to-node communication and unlocking the true potential of the all-flash system's throughput rate, especially in large-scale deployments. Its combination of scale and performance is exactly what organizations need to train their algorithms with more data than ever.

Capacity begins at 2.949PB and scales up to 11.796PB (16 nodes per cluster).

ObjectScale XF960	
Features	Technical Specifications
<b>Node architecture</b>	<ul style="list-style-type: none"> <li>Intel x86 servers</li> <li>Integrated storage</li> <li>24 disk drives per node</li> </ul>
<b>Network connectivity</b>	<ul style="list-style-type: none"> <li>25GbE FrontEnd</li> <li>100GbE BackEnd</li> </ul>
<b>Storage configurations</b>	<ul style="list-style-type: none"> <li>Unstructured storage up to 11,796TB RAW percluster</li> </ul>
<b>Architecture</b>	<ul style="list-style-type: none"> <li>Fully accessible – field serviceable components</li> <li>Conventional front to back cooling</li> <li>HA power cabling and cooling</li> </ul>
<b>Min / max cluster size</b>	<ul style="list-style-type: none"> <li>4 node minimum; 5 nodes recommended for HA</li> <li>Maximum: 16 nodes</li> </ul>
<b>Node:disk ratio</b>	<ul style="list-style-type: none"> <li>1:24</li> </ul>
<b>Disk type</b>	<ul style="list-style-type: none"> <li>30.72TB (NVMe)</li> </ul>
<b>Optional cache SSD</b>	<ul style="list-style-type: none"> <li>N/A</li> </ul>

<b>Raw capacity (per node)</b>	<ul style="list-style-type: none"> <li>737.28TB</li> </ul>
<b>Node dimensions</b>	<ul style="list-style-type: none"> <li>2U x D 736mm (28.98 inches)</li> <li>Weight: 36.1kg (79.58lbs) (with 24 drives)</li> </ul>
<b>Max power</b>	<ul style="list-style-type: none"> <li>1.136kVA per 2U node</li> </ul>
<b>Max heatload</b>	<ul style="list-style-type: none"> <li>3878 BTU/Hr for every 2U node</li> </ul>
<b>Power specifications (server)</b>	<ul style="list-style-type: none"> <li>2X N+1 1400W power supplies per node</li> </ul>
<b>Connectivity</b>	<ul style="list-style-type: none"> <li>Front End: 2x 25GbE SFP+ connections per node</li> <li>Back End: dual 100 GbE back end switches (internal traffic) per rack</li> </ul>
<b>Environmental specifications</b>	<ul style="list-style-type: none"> <li>Operating temperature (°F/°C): 41 - 90/ 5 - 32</li> <li>Max. altitude: 7,500 ft/ 2,286 m @ 90°F/32°C</li> <li>Relative humidity: 20 - 80% non-condensing</li> <li>Raised floor: not required</li> </ul>
<b>Upgrade options</b>	<ul style="list-style-type: none"> <li>Scale out by additional nodes</li> </ul>



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