Liqid Composable NVMe SSDs

Coupled with Dell EMC award-winning PowerEdge portfolio, Liqid delivers improved resource management and utilization with software-defined infrastructure composability for solid-state non-volatile memory (NVMe) solutions. Composable, high-performance NVMe storage resources are allocated through software at the bare metal across Liqid’s ultra-low-latency PCIe fabric, utilizing existing PCIe slots. Composable NVMe SSDs from Liqid unlock the resource agility, performance and efficiency necessary for a wide variety of use cases in artificial intelligence and machine learning, high performance computing, cloud, and edge computing environments.

Intelligent PCIe fabric and Command Center orchestration software enable Liqid to deliver significantly increased capacity and bandwidth for NVMe-based solutions, supercharging the most demanding applications for which lighting fast data manipulation is imperative. With the improved resource management and utilization, Liqid enables IT users to compose NVMe devices alongside FPGAs, CPUs, GPUs, NICs, and other PCIe connected technologies.

Composable NVMe on Liqid intelligent fabrics expand the promise of composability, allowing IT users to create and maintain a more efficient data center infrastructure to meet the crushing data performance requirements of today’s high value compute intensive applications.
Liqid Composable Flash Specifications

Architecture: Liquid Flash SSD Pool Connected Over PCIe
Capacity: Up to 376 TB per 2U Expansion Chassis
Scalability: Up to 100 Chassis
Host Interconnect: PCIe Gen3 (x16, x8, or x4 options)
Host Connections: Up to 8 Host per Chassis (8x4 or 4x8 or 2x16)
Max Host Count: 100s Hosts with External PCIe Fabric Switch
Total Bandwidth: ~64 GB/s – Full Duplex
Cabling to Host: Standard MiniSAS HD Cabling
Management SW: Liqid Command Center™
Fail Over: HA Optional Support
Power: 700W (per Chassis)
Cooling: 4x 35mm High Performance Fans

Composable Bundle LQD8320 NVMe Flash JBOx

Contents of the Solutions Bundle include:

<table>
<thead>
<tr>
<th>Device</th>
<th>Quantity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Software</td>
<td>1pcs</td>
<td>Liquid Command Center Management SW</td>
</tr>
<tr>
<td>Fabric</td>
<td>1pcs</td>
<td>Liquid Grid - PCIe Gen3 Fabric Switch</td>
</tr>
<tr>
<td>HBA</td>
<td>8pcs</td>
<td>Liqid PCIe Host Bus Adapters</td>
</tr>
<tr>
<td>Expansion</td>
<td>1pcs</td>
<td>PCIe Expansion Chassis</td>
</tr>
<tr>
<td>SSD</td>
<td>24pcs</td>
<td>NVMe U.2 SSD</td>
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</tbody>
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*All cables included

For quotes and/or inquiries, please contact: Dell@liqid.com

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