Liqid Composable NVMe FLASH

Liqid Command Center™ Software Enables Composable NVMe Flash as Direct-Connected PCIe Resources

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 simplifying scalability and resource orchestration. Composable NVMe unlocks the 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.

Liqid’s intelligent PCIe fabric and Command Center orchestration software enables 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 with 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: Liqid 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>Liqid Command Center Management SW</td>
</tr>
<tr>
<td>Fabric</td>
<td>1pcs</td>
<td>Liqid 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>
</table>

*All cables included

Contact Information

Liqid, Inc.
329 Interlocken Pkwy., Ste 200
Broomfield, CO 80021
office: +1 303.500.1551
email: sales@liqid.com