D1-QJ6 6G SAS-SAS
High Availability
JBOD Systems

OPSLas storage systems are designed for high availability, non-stop services, applications demanding high throughput, and flexible storage planning with cost effectiveness for small and medium businesses.

Highlights

1. Fully redundant & hot pluggable designs: RAID controllers, power supplies, fan modules, battery backup modules, & JBOD expansion.
2. Online FW upgrade, no system down time
3. Green storage designs: auto disk spin down, advanced cooling mechanism, & 80 PLUS energy-efficient power supplies.
5. 1 x 6G SAS (miniSAS SFF8088) host wide port per controller
6. 1 x 6G SAS (miniSAS SFF8088) JBOD expansion wide port per controller
7. 3G SAS & SATA II drive backward-compatible

Green

All D1-QJ6 systems are equipped with Opslag's default green features for power saving. In most cases, the hard drives consume most power. With the autodisk spin down feature and proper configuration, the power consumption of hard drives can be reduced to a minimum, and users will not even notice this feature. D1-QJ6 monitors the environment temperature for cooling mechanism and the fan modules respond accordingly. The power supply modules are all 80 PLUS power efficient for better power converting rate. In virtue of the reduction of hard drive power consumption, the advanced cooling mechanism, and the energy-efficient power supplies, the unnecessary power cost is decreased greatly.

High Availability

D1-QJ6 6G SAS-SAS system is specially designed for high availability applications. The D1-QJ6 is well equipped with fully redundant components for all major functions, including redundant JBOD controllers, power supplies, fan modules, and SAS JBOD expansion ports. Being hot pluggable, all of them provide non-stop services. Distinct from others, D1-QJ6 is able to upgrade firmware without system down time. And in case of multiple hardware failures as shown below, Opslag's design of dual paths between Opslag RAID systems and JBOD systems will still provide services; while other vendors will not be able to provide any service.

Ordering Information
Controller Configuration
D1-QJ6-316D, D1-QJ6-424D, D1-QJ6-224D Dual controllers*
D1-QJ6-316C, D1-QJ6-424C, D1-QJ6-224C Single controller*

Optional Components
TJISATA board SATAII drives support

* The specific functions of dual controller are not available in D1-QJ6-316C, D1-QJ6-424C, D1-QJ6-224C

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## Hardware Components

<table>
<thead>
<tr>
<th></th>
<th>D1-QJ6-316D</th>
<th>D1-QJ6-424D</th>
<th>D1-QJ6-224D</th>
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</thead>
<tbody>
<tr>
<td><strong>JBOD Controller</strong></td>
<td>Dual Controllers</td>
<td>Dual Controllers</td>
<td>Dual Controllers</td>
</tr>
<tr>
<td></td>
<td>Single controller</td>
<td>Single controller</td>
<td>Single controller</td>
</tr>
<tr>
<td><strong>No. of Host Channels Per Controller</strong></td>
<td>1 x 6G SAS</td>
<td>1 x 6G SAS</td>
<td>1 x 6G SAS</td>
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<tr>
<td><strong>Expansion Enclosure</strong></td>
<td>D1-QJ6 series</td>
<td>D1-QJ6 series</td>
<td>D1-QJ6 series</td>
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<tr>
<td><strong>No. of Hard Drives (SAS &amp; SATA II)</strong></td>
<td>16</td>
<td>24</td>
<td>24</td>
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<tr>
<td><strong>Power Supply</strong></td>
<td>2 x 500W</td>
<td>2 x 500W</td>
<td>2 x 500W</td>
</tr>
<tr>
<td><strong>Fan</strong></td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>3U 19” Rackmount 422.8mm x 500.6mm x 130.0mm (W x D x H)</td>
<td>4U 19” Rackmount 422.8mm x 500.6mm x 176.0mm (W x D x H)</td>
<td>2U 19” Rackmount 446.0mm x 542.0mm x 88.0mm (W x D x H)</td>
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## Feature Highlights

### Green
- Auto disk spin down
- Advanced cooling mechanism
- 80 PLUS energy-efficient power supplies

### High Availability
- Dual-active RAID controller
- Cache mirroring through high bandwidth channels
- Flexible RAID group ownership management
- Management port seamless take-over
- Online firmware upgrade, no system downtime
- Multi-path & load-balancing support (Microsoft MPIO)

### Management
- LCM; Serial console; SSH telnet; HTTP Web UI; Secured Web (HTTPS); S.E.S.

### OS Support
- Windows; Linux; Solaris; Mac

### Warranty
- 1-year warranty for system
- 1-year warranty for battery backup module

## Requirements

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<tr>
<td><strong>AC Output</strong></td>
<td>100-240V ~ 7A-4A 500W with PFC(Auto Switching)</td>
</tr>
<tr>
<td><strong>DC Output</strong></td>
<td>3.3V-25A; 5V-32A; 12V-40A</td>
</tr>
<tr>
<td><strong>Operating Temperature</strong></td>
<td>0 to 40°C</td>
</tr>
<tr>
<td><strong>Relative Humidity</strong></td>
<td>5% to 95% non-condensing</td>
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Let's Talk

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