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

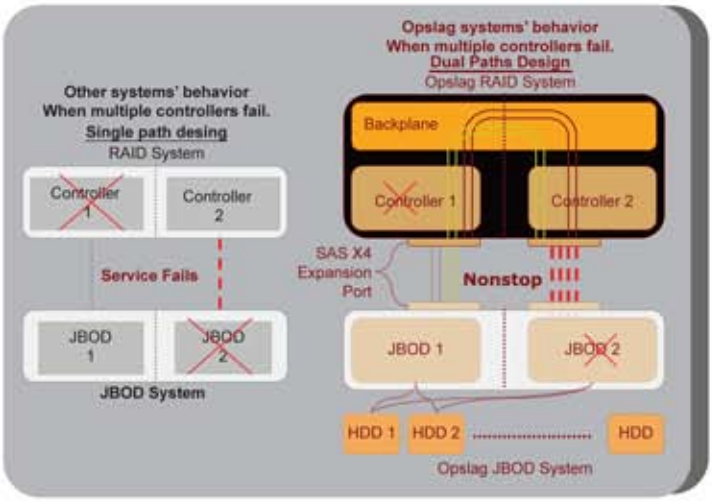
1. Fully redundant & hot pluggable designs: RAID controllers, power supplies, fan modules, battery backup modules, & JBOD expansion.
2. Online FW upgrade, no system down time
3. Green storage designs: auto disk spin down, advnced cooling mechanism, & 80 PLUS energy-efficient power supplies.
4. High connection availability: load balancing & failover.
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 ofhard 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 upgarde 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

TJSATA board	SATAII drives support

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

Hardware Components

	D1-QJ6-316D D1-QJ6-316C	D1-QJ6-424D D1-QJ6-424C	D1-QJ6-224D D1-QJ6-224C
JBOD Controller	Dual Controllers Single controller	Dual Controllers Single controller	Dual Controllers Single controller
No. of Host Channels Per Controller	1 x 6G SAS	1 x 6G SAS	1 x 6G SAS
Expansion Enclosure	D1-QJ6 series	D1-QJ6 series	D1-QJ6 series
No. of Hard Drives (SAS & SATA II)	16	24	24
Power Supply	2 x 500W	2 x 500W	2 x 500W
Fan	2	2	2
Dimensions	3U 19" Rackmount 422.8mm x 500.6mm x 130.0mm (W x D x H)	4U 19" Rackmount 422.8mm x 500.6mm x 176.0mm (W x D x H)	2U 19" Rackmount 446.0mm x 542.0mm x 88.0mm (W x D x H)

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-takeover Online firmware upgrade, no system down time 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

AC Output	100-240V ~ 7A-4A 500W with PFC(Auto Switching)
DC Output	3.3V-25A; 5V-32A; 12V-40A
Operating Temperature	0 to 40°C
Relative Humidity	5% to 95% non-condensing

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