

eterio SAN PD-4284

powered by DDN StorageScaler 8462

The exponential growth of Big Data is putting a significant strain on IT infrastructures and budgets as organizations try to successfully ingest, store, process and distribute data. The eterio SAN PD-4284 powered by DDN ultra-high-density disk drive enclosures, in conjunction with the eterio SAN MD storage platform family, drastically lowers the Total Cost of Ownership (TCO) for these organizations and delivers unprecedented levels of performance and scalability for organizations looking to solve their Big Data challenges.

The eterio's high-density drive enclosures can handle up to eighty-four drives (NL-SAS, SAS, or SSD) in just 4U rack space. This gives customers the ability to store up to 3.5PB in a single data center rack*.

The PD-4284 provide multiple, redundant data paths from host interfaces to drives, eliminating single points of failure and ensuring the highest levels of business continuity. They provide the ability to freely intermix and build tiers of NL-SAS, SAS and SSD drives, even within a single enclosure, allowing administrators to align Big Data to the appropriate tier over time and lower their TCO.

With 240Gb/s of internal bandwidth, PD-4284 enable more throughput per unit of rack space and ensures unparalleled levels of performance consistency even when drives are rebuilding. This translates into a no compromise, flexible, tiered storage solution optimized for both application performance and data availability.



HIGHLIGHTS

World's densest disk enclosure with the ability to store 84 drives in just 4U of rack space

Ability to store 3.5PB in a single data center rack*

Enterprise level reliability, availability and serviceability

Intermix NL-SAS, SAS and SSD to build flexible tiers and optimize storage utilization

80 PLUS Gold Power Efficiency to minimize power consumption and lower TCO

* In a standard 12U data center rack with 14TB Drives.

Eterio SAN PD-4284 SPECIFICATIONS

SPECIFICATIONS

Enclosure Form Factor	4U
Drive Support	- 12Gb/s SAS, NL-SAS and SSD - Inter-Mix Drive Types and Capacities

Maximum Number of Drives	84
Number of SAS IO Modules	2

Number of SAS Ports per Module	5
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SYSTEM AVAILABILITY/ REDUNDANCY

IO Modules	Dual-redundant and hot-swappable
Power and Cooling Modules	Dual-redundant and hot-swappable
Disk Drives	Redundant and hot-swappable

NOTIFICATIONS AND MONITORING

Enclosure Management	SCSI Enclosure Services (SES)
LCD Display	Status, Power, Environmental, Monitoring
LED Indicators	Status, Power, Monitoring, Activity

DIMENSIONS

Height	4U 175.3 mm
Width	482 mm

Depth w/o bezel (LCD) and cable management	895.8 mm
Depth with bezel (LCD) and cable management	982 mm

Weight without Drives	49.28 kg
Weight with 84 x 4TB NL-SAS Drives	107.6 kg

ENVIRONMENTAL AND POWER

Operational Altitude	-61 to 3048 m
Non-operational Altitude	-61 to 3048 m
Voltage	200-240 V
Frequency	60/50 Hz
Power Conversion Efficiency	92% at 50% load

Power Supply	2x 1865 W
Airflow	130 CFM max

Operational Temperature Range	5 to 35 °C
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Non-operational Temperature Range	5 to 45 °C
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Relative Humidity – Operating	20% to 80% non-condensing *At sea-level with 2% derating per 1000ft of altitude
Relative Humidity – Non-operating	10% to 90% non-condensing

VIBRATION AND SHOCK

Operational Shock	5 G, 0 - peak 11ms half sine
Non-Op. Shock	10 G, 0 - peak 11ms half sine
Operational Vibration	Random 0.15 Grms 5 - 500Hz
Non-Op. Vibration	Random 0.5 Grms 5 - 500Hz
Acoustics (@23°C)	Sound Power Operating max <86dB

SAFETY AND REGULATORY / AGENCY APPROVALS

Agency Certifications	CSA, EMI, FCC Class A, CE, CCC, TÜV-GS, CB, CE VCCI, WEEE, RoHS
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WARRANTY

Warranty	3 years return to factory
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eterio SAN PD-4284 (SKU: PD4284-xxxx*) is based on DDN system StorageScaler 8462 (SKU: SS8462-SBOD)

*xxxx denotes system capacity in TB