QLC NVME-OF™ ENCLOSURE HIGH-CAPACITY FLASH

DDN SKUs

>_ SE2420-EBOD

ENCLOSURE FORM FACTOR

>_ 2U, Conforms to EIA-310-D

FLASH DRIVE SUPPORT

>_ 24x QLC U.2 NVMe

>_ 15.36 TB, 30.72 TB, 61.44 TB

EFFORTLESS DEPLOYMENT

>_ 2x Ethernet; 12x QSFP 28/56 ports

>_ 6x ports on each I/O module

>_ 2 I/O Modules, with 6x ports on each I/O module

SS9012 & SS9024

DDN 9012 and 9024 drive enclosures can handle up to 90 SAS HDDs or SSDs in just 4U rack space.

This gives customers the ability to store over 20PB in a single datacenter rack. Data intensive workflows require the ultimate in density to handle the sheer capacity required, and need to do so in an efficient package. The 9012 and 9024 enclosures used with supported SFA® storage platforms, dramatically reduces the total cost of ownership for organizations facing these requirements and delivers unprecedented levels of performance and scalability.

The enclosures provide multiple, redundant 12Gb/s SAS data paths from I/O modules to drives, eliminating single points of failure and ensuring the highest levels of business continuity. It provides the ability to freely intermix and build tiers of SAS HDD and SSD drives, allowing administrators to optimize their storage requirements between high performance flash and bulk data storage. This trans-lates into a no compromise, flexible, tiered storage solution optimized for both application performance and data availability.

>_ TECHNICAL SPECIFICATIONS

SE2420 ENCLOSURE

SYSTEM DETAILS

DRIVE SLOTS	24 U.2 form factor
10 MODULES	12X QSFP 28/56 ports on each of the two I/O modules
HEIGHT	2U rack mount (87mm)
WIDTH	450mm (17.75";EIA-310 19" rackmount)
DEPTH	450mm (17.75";EIA-310 19" rackmount)
WEIGHT (WITHOUT DRIVES)	22.9 kg (50.5 lbs)
WEIGHT (WITH 24 DRIVES)	29.6 kg (63.3 lbs)

NOTIFICATIONS & MONITORING

ENCLOSURE MANAGEMENT	In-band
LCD DISPLAY	Enclosure Number Display
LED INDICATORS	Chassis: Power, Fault, Location; Drive: Activity, Fault; IOM: Power, Fault, Link, Activity
SAFETY/REGULATORY	CSA, EMI, FCC Class A, CE, CCC, TUV-GS, CB, CE, VCCI

POWER & COOLING

POWER SUPPLIES	2 PSUs (N+1)
PSU RATINGS	1600W Max
INPUT POWER	200-240 VAC - 50/60 Hz
EFFICIENCY	80 Plus© Platinum complaint
COOLING MODULES	6 fan modules per I/O module

ENVIRONMENTAL

ENVIRONMENTAL	OPERATING º	NON-OPERATING º
TEMPERATURE	10ºC TO 35ºC (50ºF TO 95ºF) Derate 1ºC per 300m above 950m altitude	-40ºC TO 70ºC (-40ºF TO 158ºF)
ALTITUDE	3,048m (10,000 ft) max	10,668m (35,000 ft) max
RELATIVE HUMIDITY (non-condensing; ASHRAE A2)	8% to 80%	

About DDN

DataDirect Networks (DDN) is the world's leading big data storage supplier to data-intensive, global organizations. DDN has designed, developed, deployed, and optimized systems, software, and solutions that enable enterprises, service providers, research facilities, and government agencies to generate more value and to accelerate time to insight from their data and information, on premise and in the cloud.