DDN SE2420

DDN SE2420 supports 24 NVMe devices; up to 1.4PB in 2U

Unlock the full potential of your data with DDN's QLC backed solutions with industry leading performance. Whether you prioritize high-bandwidth throughput, IOPS, or low latency, the capacity expansion enabled by ES400NVX2 systems coupled with SE2420 enclosure with QLC is perfect for AI, machine learning, and real-time applications.

The EXAScaler parallel file system with data compression capabilities and high capacity QLC storage drives a dramatic reduction in the total cost of ownership through reduced data center components, power consumption and management costs.

ES400NVX2 systems with QLC storage in SE2420 enclosures address performance, endurance and implementation complexity challenges, while enabling unmatched scale-out performance with architectural simplicity.

With up to 1.4 PB QLC (raw) per 2U enclosure, a single rack can easily fit 20 PB of QLC, providing the best value per flash capacity, while also delivering up to 21 million random read IOPS in a single rack. A compact configuration can deliver up to 90 GB/s read bandwidth, and 70 GB/s write bandwidth; a full rack can deliver up to 630 GB/s read bandwidth and 490 GB/s write bandwidth.

That's more than 10x faster writes, 10x faster performance/watt, and 10x faster performance/RU than other QLC systems.

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

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>_ **TECHNICAL SPECIFICATIONS**

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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	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.