



HIGH-DENSITY DISK DRIVE ENCLOSURE

DDN SKUs

- » SS9012-SBOD
- » SS9024-SBOD

ENCLOSURE FORM FACTOR

- » 4U, Conforms to EIA-310-D

SAS DRIVE SUPPORT

- » HDD and SSD
- » Mix Types & Capacities

DRIVES PER ENCLOSURE

- » 90 (Minimum of 15)

SAS I/O MODULES

- » 9012: 2x SAS3 (12G)
- » 9024: 2x SAS4 (24G)
- » 8x Mini-SAS HD Ports
- » (32 SAS Lanes, 16 per 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 translates into a no compromise, flexible, tiered storage solution optimized for both application performance and data availability.

▶ TECHNICAL SPECIFICATIONS


SS9012
SS9024

SYSTEM DETAILS

DRIVE SLOTS	90 (3.5"/2.5")	
IO MODULES	2x SAS3	2x SAS4
HEIGHT	4U rack mount (175.3mm)	
WIDTH	450 mm (17.75"; EIA-310 19" rackmount)	
DEPTH	1144mm (44.875" overall) Including bezel and cable bend space	
WEIGHT (WITHOUT DRIVES)	41 kg (91 lbs)	
WEIGHT (90 DRIVES)	118 kb (260 lbs)	

NOTIFICATIONS & MONITORING

ENCLOSURE MANAGEMENT	SCSI Enclosure Services (SES)	
LCD DISPLAY	Status, Power, Environmental Monitoring	
LED INDICATORS	Power, Status, Monitoring, Drive Activity	
SAFETY/REGULATORY	CSA, EMI, FCC Class A, CE, CCC, TUV-GS, CB, CE, VCCI	

POWER & COOLING

POWER SUPPLIES	qty 4 (2+2 redundant)	
PSU RATINGS	1200W Max	1300W Max
INPUT POWER	200-240 VAC – 50/60 Hz	
EFFICIENCY	80 Plus® Platinum compliant	
DRIVE SLOT POWER (MAX)	13 Watts	
COOLING MODULES	5 dual fan modules	
AIRFLOW	181 CFM max @100% fan speed	

ENVIRONMENTAL	OPERATING	NON-OPERATING
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TEMPERATURE	10°C TO 35°C (50°F TO 95°F) Derate 1°C per 300m above 950m altitude	-30°C TO 60°C (-22°F TO 140°F)
ALTITUDE	3,050m (10,006 ft) max	12,000m (39,370 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 solution 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.

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