

High-powered performance featuring 12Gb/s SAS for midrange storage market

Ultra performance - DS 4000

- Ultra high 11,000MB/s read and 5,500MB/s write stable throughput handle even the most demanding applications, including Media & Entertainment
- Extreme 750K end-to-end IOPS performance makes it the perfect all-flash/hybrid solution for IOPS-intensive applications such as VDI and Database
- 256GB DDR4 memory support per system accelerates overall performance

SSD optimized

- Automated storage tiering optimizes system performance and capacity
- SSD Cache supports 6.4TB SSD cache pool per system to increase cache hit rate and accelerate read performance

Latest 12Gb/s SAS technology

Comprehensive 12 Gb/s SAS technology doubles data transfer speed between the storage enclosure and the host server for maximized performance

Flexible interface options

- Modular dual host board controller with integrated FC, SAS, iSCSI and FCoE protocols maximizes connection versatility for hosts
- Converged host board with 4 connectivity options ensures future-proof multi-channel appliances (16Gb/s FC, 8Gb/s FC, 10Gb/s iSCSI SFP+, 10Gb/s FCoE)

Wide scalability

- Future-proof expansion solution offers ample data capacity of up to 444 drives per system
- Compatible JBODs in different form factors, including SFF 2U 24-bay, LFF 3U 16-bay and LFF 4U 60-bay make capacity expansions quick and simple.

EonStor DS 4000 systems deliver top-notch performance in their segment, bringing unrivaled power to SMBs. With their unique dual host board design and 12Gb/s SAS interfaces to internal SAS or SATA disk drives, these systems achieve a massive throughput to meet even highly demanding applications such as media editing. They are also extremely scalable and integrate advanced data services such as SSD Cache, automated storage tiering, and self-encrypting drives.

Massive performance makes EonStor DS 4000 systems perfect for media industry

Thanks to optimized design and advanced processing power, EonStor DS 4000 systems achieve unprecedented performance figures for mid-range storage and can easily handle even very intense networked storage demands. Delivering up to 750K end-to-end IOPS, 11,000MB/s sequential read throughput and 5,500MB/s sequential write throughput, they ensure users are prepared to take on IT challenges for years to come.

Leading performance turns EonStor DS 4000 systems into productivity-boosting hubs for multiple 2K resolutions and 4K resolutions streams in media industry, with no slowdown or lag experienced thanks to their ample processing power and storage bandwidth. Strong performance means smooth service to large workforces.

Fully optimized for SSD

The storage industry is moving towards high speed, reliable, and efficient solid state drives, and the EonStor DS 4000 systems is future-ready. In addition to hybrid drive trays (2.5"/3.5"), it supports a range of SSD-focused software solutions, including automated storage tiering and self-managing SSD Cache. These two functions combine to leverage the advantages of each drive type, whether SSD, SAS, NL-SAS or SATA, by sorting data based on tenure and access frequency. This allows hot data to enjoy 16X more read IOPS and 88% lower latency, while maximizing SSD utilization and protecting your investment. EonStor DS systems feature real time wear level monitoring to pre-empt potential failures and prevent data loss.

Native support for 12Gb/s SAS: host and drive side

The 12Gb/s SAS host and drive side interface offers a low latency pathway without compromising performance due to delays or bandwidth limits. It features built-in connection scaling, adapting to different capacities and adjusting actual connection bandwidth based on real time loads. With 12Gb/s SAS, users benefit from a better cost-performance ratio, improving their ROI.

EonStor DS 4000 systems feature dual host board controller

Innovative design places two host boards side by side on EonStor DS 4000 systems, unlocking higher levels of flexibility and performance by allowing different combinations of Fibre Channel (up to 16Gb/s), SAS (up to 12Gb/s), iSCSI (up to 10Gb/s), FCoE (up to 10Gb/s). Each host board can also support hybrid interfaces, effectively quadrupling connectivity.

Emergency backup power

- Super capacitors with flash module ensure data integrity during power outages
- Last through the entire lifespan of the system and are maintenance-free

Data and security services

- Secure remote replication to backup data over long distances
- Intelligent Drive Recovery(IDR) scans media and corrects errors to ensure data integrity at all times
- Features snapshot, thin provisioning, and more

User friendly

- Intuitive SANWatch, RAIDWatch interfaces and command line interface customization
- User friendly yet sophisticated UI with full access to features

Green design

- Redundant 80 PLUS power supplies
- Accommodates 2.5" and 3.5" drives (hybrid tray)
- Intelligent drive and fan spin-down reduce energy waste

Emergency backup power safeguards data

Protecting against data loss due to prolonged power outages, EonStor DS 4000 systems include super capacitors paired with a flash module. If power fails, data is written to the flash cache and kept powered by the super capacitors for extended periods of time. Super capacitors require no maintenance and last for the life of the storage system, making them a very convenient and cost effective emergency backup measure.

Comprehensive data and security services

All EonStor DS 4000 systems support self-encrypting drives (SEDs), which are factory secured against even the most direct physical intrusion. SEDs defend against data theft and misplacement and make deletion much faster than traditional methods, as invalidating the key renders all data on the drive permanently unreadable.

For disaster recovery, the EonStor DS family supports secure remote replication. Local replication is offered via snapshot and volume copy/mirror. Thin provisioning is standard, and all data is covered by smart media scan and IDR (Intelligent Drive Recovery) technology, which detects faulty sectors and quickly clones affected data to prevent loss, even due to silent errors that would go unnoticed by other storage systems. All of these features are easily accessible from our user-friendly SANWatch browser-based interface.

Performance Review

EonStor DS 4000 Series	Max. Memory /per system	IOPS End-to-end	Throughput(MB/s) Seq. Read/Write
EonStor DS 4000	256GB	750K	11,000/5,500













Technical Specifications			High IOPS Solutions		
Model name	DS 4016	RU		DS 4016SU	
Form factor		3U 16-ba	y LFF		
Storage controller	Dual-redunda	nt		Single upgradable to redundant	
Max. host ports (per system)	20 ports Host board 1			10 ports 5)	
Host connectivity (per controller)	Host board 1 + Host board 2	2 x 16Gb FC ports + 2 x 16Gb FC ports 2 x 12Gb SAS ports + 2 x 12Gb SAS ports 2/4 x 10Gb iSCSI ports (SFP+) + 2 x 16Gb FC p 4 x 8Gb FC ports + 4 x 8Gb FC ports 2/4 x 10Gb iSCSI ports (SFP+) + 2/4 x 10Gb iSC 4 x 10Gb FCoE ports + 4 x 10Gb FCoE ports		$2/4 \times 10 \text{Gb} \text{ iSCSI ports (SFP+)} + 4 \times 8 \text{Gb FC ports} \\ 2 \times 10 \text{Gb} \text{ iSCSI ports (RJ45)} + 2 \times 10 \text{Gb} \text{ iSCSI ports (RJ4} \\ 2 \times 56 \text{Gb InfiniBand ports} + 2 \times 56 \text{Gb InfiniBand ports}^3 \\ 4 \times 16 \text{Gb FC ports} + 4 \times 16 \text{Gb FC ports} \\ 2 \times 40 \text{Gb iSCSI ports} + 2 \times 40 \text{Gb iSCSI ports} \\ \end{cases}$	
Onboard iSCSI ports (per controller)		2 x 1Gb iSC			
Cache memory (per controller)		4GB, 8GB, 16GB, 320	iB, 64GB, 128GB	}	
Max. drives (per system) Max. drives (via expansion enclosures)					
,		JB 30:	6		
Expansion enclosure (JBOD)		JB 300	60		
SAS expansion ports (per controller)		2 x 12Gb SA	•		
Cache backup techniques		Super capacitor +			
Supported drives ¹		• 2.5" SATA/SAS • 2.5" 10K/15K F • 3.5" 7200 RPM	PM SAS HDD NL SAS HDD		
Dawer & Caslina		7: Two redundant 530W; Voltage and Frequency:	100-240 Vac, 50		
Power & Cooling	Power consur Heat dissipati	nption: 338W on: 1259BTU/hour		Power consumption: 250W Heat dissipation: 1259(BTU/hour)	
Green design	• 80 PLUS po	wer supplies delivering more than 80% energy et multi-level drive spin-down	ficiency		
RAID configurations	• Up to 2048 LUNs				
Regulatory ²		., BSMI, CB, EAC ynetic Compatibility: CE, BSMI, FCC, KC			
Model name	DS 4024			DS 4024SUB	
Form factor	Donal and donad	2U 24-ba	y SFF	Olerate we was dable to an dissiplent	
Storage controller	Dual-redunda	ant		Single upgradable to redundant	
Max. host ports (per system)	20 ports Host board 1			10 ports	
Host connectivity (per controller)	Host board 1	2 x 16Gb FC ports + 2 x 16Gb FC ports 2 x 12Gb SAS ports + 2 x 12Gb SAS ports		2/4 x 10Gb iSCSI ports (SFP+) + 4 x 8Gb FC ports 2 x 10Gb iSCSI ports (RJ45) + 2 x 10Gb iSCSI ports (Rj	
	+ Host board 2	$2/4 \times 10 \text{Gb iSCSI ports (SFP+)} + 2 \times 16 \text{Gb FC ports} \\ 4 \times 8 \text{Gb FC ports} + 4 \times 8 \text{Gb FC ports} \\ 2/4 \times 10 \text{Gb iSCSI ports (SFP+)} + 2/4 \times 10 \text{Gb iSC} \\ 4 \times 10 \text{Gb FCoE ports} + 4 \times 10 \text{Gb FCoE ports}$	SI ports(SFP+)	2 x 56Gb InfiniBand ports + 2 x 56Gb InfiniBand ports ³ 4 x 16Gb FC ports + 4 x 16Gb FC ports 2 x 40Gb iSCSI ports + 2 x 40Gb iSCSI ports	
Onboard iSCSI ports (per controller)		4 x 8Gb FC ports + 4 x 8Gb FC ports 2/4 x 10Gb isCSI ports (SFP+) + 2/4 x 10Gb isC 4 x 10Gb FCoE ports + 4 x 10Gb FCoE ports 2 x 1Gb isC	SI ports(SFP+)	2 x 56Gb InfiniBand ports + 2 x 56Gb InfiniBand ports ³ 4 x 16Gb FC ports + 4 x 16Gb FC ports 2 x 40Gb ISCSI ports + 2 x 40Gb ISCSI ports	
Cache memory (per controller)		4 x 8Gb FC ports + 4 x 8Gb FC ports 2/4 x 10Gb iSCSI ports (SFP+) + 2/4 x 10Gb iSC 4 x 10Gb FCoE ports + 4 x 10Gb FCoE ports 2 x 1Gb iSC 4GB, 8GB, 16GB, 320	SI ports(SFP+)	2 x 56Gb InfiniBand ports + 2 x 56Gb InfiniBand ports ³ 4 x 16Gb FC ports + 4 x 16Gb FC ports 2 x 40Gb ISCSI ports + 2 x 40Gb ISCSI ports	
Cache memory (per controller) Max. drives (per system)		4 x 8Gb FC ports + 4 x 8Gb FC ports 2/4 x 10Gb iSCSI ports (SFP+) + 2/4 x 10Gb iSC 4 x 10Gb FCoE ports + 4 x 10Gb FCoE ports 2 x 1Gb iSC 4GB, 8GB, 16GB, 320	SI ports(SFP+) SI port GB, 64GB, 128GE	2 x 56Gb InfiniBand ports + 2 x 56Gb InfiniBand ports ³ 4 x 16Gb FC ports + 4 x 16Gb FC ports 2 x 40Gb ISCSI ports + 2 x 40Gb ISCSI ports	
Cache memory (per controller)		4 x 8Gb FC ports + 4 x 8Gb FC ports 2/4 x 10Gb iSCSI ports (SFP+) + 2/4 x 10Gb iSC 4 x 10Gb FCoE ports + 4 x 10Gb FCoE ports 2 x 1Gb iSC 4GB, 8GB, 16GB, 32 24 444 JB 301 JB 302	SI ports(SFP+) SI port GB, 64GB, 128GE	2 x 56Gb InfiniBand ports + 2 x 56Gb InfiniBand ports ³ 4 x 16Gb FC ports + 4 x 16Gb FC ports 2 x 40Gb ISCSI ports + 2 x 40Gb ISCSI ports	
Cache memory (per controller) Max. drives (per system) Max. drives (via expansion enclosures) Expansion enclosure (JBOD)		4 x 8Gb FC ports + 4 x 8Gb FC ports 2/4 x 10Gb iSCSI ports (SFP+) + 2/4 x 10Gb iSC 4 x 10Gb FCoE ports + 4 x 10Gb FCoE ports 2 x 1Gb iSC 4GB, 8GB, 16GB, 32 24 444 JB 301 JB 302 JB 306	SI ports(SFP+) SI port GB, 64GB, 128GE 6 4B 0	2 x 56Gb InfiniBand ports + 2 x 56Gb InfiniBand ports ³ 4 x 16Gb FC ports + 4 x 16Gb FC ports 2 x 40Gb ISCSI ports + 2 x 40Gb ISCSI ports	
Cache memory (per controller) Max. drives (per system) Max. drives (via expansion enclosures)		4 x 8Gb FC ports + 4 x 8Gb FC ports 2/4 x 10Gb iSCSI ports (SFP+) + 2/4 x 10Gb iSC 4 x 10Gb FCoE ports + 4 x 10Gb FCoE ports 2 x 1Gb iSC 4GB, 8GB, 16GB, 32 24 444 JB 301 JB 302	SI ports(SFP+) SI port GB, 64GB, 128GE 6 4B 0 LS port	2 x 56Gb InfiniBand ports + 2 x 56Gb InfiniBand ports ³ 4 x 16Gb FC ports + 4 x 16Gb FC ports 2 x 40Gb ISCSI ports + 2 x 40Gb ISCSI ports	
Cache memory (per controller) Max. drives (per system) Max. drives (via expansion enclosures) Expansion enclosure (JBOD) SAS expansion ports (per controller)		4 x 8Gb FC ports + 4 x 8Gb FC ports 2/4 x 10Gb iSCSI ports (SFP+) + 2/4 x 10Gb iSC 4 x 10Gb FCoE ports + 4 x 10Gb FCoE ports 2 x 1Gb iSC 4GB, 8GB, 16GB, 32 24 444 JB 301 JB 302 JB 306 2 x 12Gb S/	SI ports(SFP+) SI port GB, 64GB, 128GE 6 4B 0 IS port Flash module SSD	2 x 56Gb InfiniBand ports + 2 x 56Gb InfiniBand ports ³ 4 x 16Gb FC ports + 4 x 16Gb FC ports 2 x 40Gb iSCSI ports + 2 x 40Gb iSCSI ports	
Cache memory (per controller) Max. drives (per system) Max. drives (via expansion enclosures) Expansion enclosure (JBOD) SAS expansion ports (per controller) Cache backup techniques	Power supply	4 x 8Gb FC ports + 4 x 8Gb FC ports 2/4 x 10Gb isCSI ports (SFP+) + 2/4 x 10Gb isC 4 x 10Gb FCoE ports + 4 x 10Gb FCoE ports 2 x 1Gb isC 4GB, 8GB, 16GB, 32 444 JB 301 JB 302 JB 306 2 x 12Gb S/ Super capacitor + • 2.5" SATA/SAS • 2.5" 10K/15K I	SI ports(SFP+) SI port GB, 64GB, 128GE 6 4B 0 S port Flash module SSD RPM SAS HDD	2 x 56Gb InfiniBand ports + 2 x 56Gb InfiniBand ports 4 x 16Gb FC ports + 4 x 16Gb FC ports 2 x 40Gb ISCSI ports + 2 x 40Gb ISCSI ports 3 60Hz Power consumption: 238W	
Cache memory (per controller) Max. drives (per system) Max. drives (via expansion enclosures) Expansion enclosure (JBOD) SAS expansion ports (per controller) Cache backup techniques Supported drives¹	Power supply Power consur Heat dissipati • 80 PLUS pc	4 x 8Gb FC ports + 4 x 8Gb FC ports 2/4 x 10Gb isCSI ports (SFP+) + 2/4 x 10Gb isC 4 x 10Gb FCoE ports + 4 x 10Gb FCoE ports 2 x 1Gb isC 4GB, 8GB, 16GB, 32 444 JB 301 JB 302 JB 306 2 x 12Gb S/ Super capacitor + • 2.5" SATA/SAS • 2.5" 10K/15K isc	SI ports(SFP+) SI port GB, 64GB, 128GE 6 4B 0 S port Flash module SSD RPM SAS HDD 00-240 Vac, 50-	2 x 56Gb InfiniBand ports + 2 x 56Gb InfiniBand ports 4 x 16Gb FC ports + 4 x 16Gb FC ports 2 x 40Gb ISCSI ports + 2 x 40Gb ISCSI ports	
Cache memory (per controller) Max. drives (per system) Max. drives (via expansion enclosures) Expansion enclosure (JBOD) SAS expansion ports (per controller) Cache backup techniques Supported drives¹ Power & Cooling	Power supply Power consur Heat dissipati • 80 PLUS pc • Intelligent r • RAID level	4 x 8Gb FC ports + 4 x 8Gb FC ports 2/4 x 10Gb iSCSI ports (SFP+) + 2/4 x 10Gb iSC 4 x 10Gb FCoE ports + 4 x 10Gb FCoE ports 2 x 1Gb iSC 4GB, 8GB, 16GB, 32 4GB, 8GB, 16GB, 32 3B 306 2 x 12Gb S/ Super capacitor + • 2.5" SATA/SAS • 2.5" 10K/15K I "Two redundant 530W; Voltage and Frequency: Inpition: 313W on: 761BTU/hour ower supplies delivering more than 80% energy enulti-level drive spin-down 0, 1(0+1), 3, 5, 6, 10, 30, 50, 60 gical drives and 64 partitions per logical volume	SI ports(SFP+) SI port GB, 64GB, 128GE 6 4B 0 S port Flash module SSD RPM SAS HDD 00-240 Vac, 50-	2 x 56Gb InfiniBand ports + 2 x 56Gb InfiniBand ports 4 x 16Gb FC ports + 4 x 16Gb FC ports 2 x 40Gb ISCSI ports + 2 x 40Gb ISCSI ports 3 60Hz Power consumption: 238W	
Cache memory (per controller) Max. drives (per system) Max. drives (via expansion enclosures) Expansion enclosure (JBOD) SAS expansion ports (per controller) Cache backup techniques Supported drives¹ Power & Cooling Green design	Power supply Power consur Heat dissipati • 80 PLUS pe • Intelligent r • RAID level • • Up to 32 lo; • Up to 2048 • Safety: UL	4 x 8Gb FC ports + 4 x 8Gb FC ports 2/4 x 10Gb iSCSI ports (SFP+) + 2/4 x 10Gb iSC 4 x 10Gb FCoE ports + 4 x 10Gb FCoE ports 2 x 1Gb iSC 4GB, 8GB, 16GB, 32 4GB, 8GB, 16GB, 32 3B 306 2 x 12Gb S/ Super capacitor + • 2.5" SATA/SAS • 2.5" 10K/15K I "Two redundant 530W; Voltage and Frequency: Inpition: 313W on: 761BTU/hour ower supplies delivering more than 80% energy enulti-level drive spin-down 0, 1(0+1), 3, 5, 6, 10, 30, 50, 60 gical drives and 64 partitions per logical volume	SI ports(SFP+) SI port GB, 64GB, 128GE 6 4B 0 S port Flash module SSD RPM SAS HDD 00-240 Vac, 50-	2 x 56Gb InfiniBand ports + 2 x 56Gb InfiniBand ports 4 x 16Gb FC ports + 4 x 16Gb FC ports 2 x 40Gb ISCSI ports + 2 x 40Gb ISCSI ports 3 60Hz Power consumption: 238W	

High IOPS Solutions Technical Specifications Model name DS 4016R Gen2 **DS 4016G Gen2** 3U 16-bay LFF Dual-redundant Storage controller Single Max. host ports (per system) 24 ports 12 ports 2 x 10Gb iSCSI ports (RJ45) 2 x 16Gb FC ports 2 x 56Gb InfiniBand ports³ 2 x 12Gb SAS ports Host board 1 2/4 x 10Gb iSCSI ports (SFP+) 4 x 16Gb FC ports 2 x 40Gb iSCSI ports 4 x 8Gb FC ports 4 x 10Gb FCoE ports 2 x 16Gb FC ports + 2 x 16Gb FC ports Host connectivity (per controller) 2/4 x 10Gb iSCSI ports (SFP+) + 4 x 8Gb FC ports 2 x 12Gb SAS ports + 2 x 12Gb SAS ports 2 x 10Gb iSCSI ports (RJ45) + 2 x 10Gb iSCSI ports (RJ45) Host board 1 2/4 x 10Gb iSCSI ports (SFP+) + 2 x 16Gb FC ports 2 x 56Gb InfiniBand ports + 2 x 56Gb InfiniBand ports³ 4 x 8Gb FC ports + 4 x 8Gb FC ports 4 x 16Gb FC ports + 4 x 16Gb FC ports Host board 2 $2/4 \times 10$ Gb iSCSI ports (SFP+) + $2/4 \times 10$ Gb iSCSI ports(SFP+) 2×40 Gb iSCSI ports + 2×40 Gb iSCSI ports 4×10 Gb FCoE ports $+ 4 \times 10$ Gb FCoE ports Onboard iSCSI ports (per controller) 4 x 1Gb iSCSI port 4GB, 8GB, 16GB, 32GB, 64GB Cache memory (per controller) Max. drives (per system) 16 Max. drives (via expansion enclosures) 436 JB 3016 Expansion enclosure (JBOD) JB 3060 SAS expansion ports (per controller) 1 x 12Gb SAS port Cache backup techniques Super capacitor + Flash module • 2.5" SATA/SAS SSD Supported drives1 • 2.5" 10K/15K RPM SAS HDD • 3.5" 7200 RPM NL SAS HDD Power supply: Two redundant 460W; Voltage and Frequency: 100-240 Vac, 50-60Hz Power & Cooling • 80 PLUS power supplies delivering more than 80% energy efficiency Green design • Intelligent multi-level drive spin-down

• RAID level 0, 1(0+1), 3, 5, 6, 10, 30, 50, 60

• Up to 2048 LUNs

• Up to 32 logical drives and 64 partitions per logical volume

• Safety: UL, BSMI, CB, EAC
• Electromagnetic Compatibility: CE, BSMI, FCC, KC

Model name	DS 4024RB Gen2	DS 4024SB Gen2				
Form factor	2U 24-bay SFF					
Storage controller	Dual-redundant	Single upgradable to redundant				
Max. host ports (per system)	24 ports	12 ports				
	Host board 1 2 x 16Gb FC ports 2 x 10Gb iSCSI ports (Rj45 2 x 12Gb SAS ports 2 x 56Gb InfiniBand ports³ 4 x 10Gb iSCSI ports (SFP+) 4 x 16Gb FC ports 4 x 8Gb FC ports 2 x 40Gb iSCSI ports 4 x 10Gb FCoE ports					
Host connectivity (per controller)	Host board 1	$2/4 x 10 \text{Gb}$ iSCSI ports (SFP+) + $4 x 8 \text{Gb}$ FC ports $2 x 10 \text{Gb}$ iSCSI ports (RJ45) + $2 x 10 \text{Gb}$ iSCSI ports (Rj45) $2 x 56 \text{Gb}$ InfiniBand ports + $2 x 56 \text{Gb}$ InfiniBand ports 3 $4 x 16 \text{Gb}$ FC ports + $4 x 16 \text{Gb}$ FC ports $2 x 40 \text{Gb}$ iSCSI ports + $2 x 40 \text{Gb}$ iSCSI ports				
Onboard iSCSI ports (per controller)	4 x 1Gb iSCSI port					
Cache memory (per controller)	4GB, 8GB, 16GB, 32GB, 64GB					
Max. drives (per system)	24					
Max. drives (via expansion enclosures)	444					
Expansion enclosure (JBOD)	JB 3024B JB 3060					
SAS expansion ports (per controller)	1 x 12Gb SAS port					
Cache backup techniques	Super capacitor + Flash module					
Supported drives ¹	 2.5" SATA/SAS SSD 2.5" 10K/15K RPM SAS HDD 3.5" 7200 RPM NL SAS HDD 					
Power & Cooling	Power supply: Two redundant 460W; Voltage and Frequency: 100-240 Vac, 50-60Hz					
Green design	80 PLUS power supplies delivering more than 80% energy efficiency Intelligent multi-level drive spin-down					
RAID configurations	 RAID level 0, 1(0+1), 3, 5, 6, 10, 30, 50, 60 Up to 32 logical drives and 64 partitions per logical volume Up to 2048 LUNs 					
Regulatory ²	Safety: UL, BSMI, CB, EAC Electromagnetic Compatibility: CE, BSMI, FCC, KC					
1. For the latest compatibility details, refer to our official website for the latest EonStor DS Compatibility Matrix.						

 $^{1.} For the latest compatibility \ details, refer to our \ official \ website for the latest \ Eon Stor \ DS \ Compatibility \ Matrix.$

RAID configurations

Regulatory²

^{2.} Check with your local sales representative for complete details.

^{3.} Linux only

Data Service & Support **Technical Specifications Data Service** Snapshot Snanshot images per source volume Standard License: 64 / Advanced License: 256 Local Replication Standard License: 128 / Advanced License: 4096 Snapshot images per system (Standard license is included by Standard License: 16 / Advanced License: 32 Volume Copy/Mirror Source volumes per system default and advanced is an optional Replication pairs per source volume Standard License: 4 / Advanced License: 8 license) Replication pairs per system Standard License: 64 / Advanced License: 256 " Just-in-time" capacity allocation optimizes storage utilization and eliminates allocated but unused storage space Thin Provisioning (default included) Self-encrypting drives Unique factory encryption secures data plus makes deletion simple and complete Replication per source volume: 16 Remote Replication Replication pairs per source volume: 4 (optional license) Replication pairs per system: 64 **Automated Storage Tiering** Two(2) or four(4) storage tiers based on drive types (optional license) SSD supports · Accelerating data access for random read-intensive environments, such as OLTP · Supports up to four SSDs per controller • Recommended DIMM capacity for SSD Cache pool: DRAM:4GB Max SSD Cache Pool Size: 400GB DRAM:8GB Max SSD Cache Pool Size: 800GB SSD Cache DRAM:16GB Max SSD Cache Pool Size: 1,600GB (optional license) DRAM:32GB Max SSD Cache Pool Size: 3,200GB DRAM: 64GB Max SSD Cache Pool Size: 6,400GB DRAM:128GB Max SSD Cache Pool Size: 6,400GB DRAM: 256GB Max SSD Cache Pool Size: 6,400GB Redundant, hot-swappable hardware modules Multi-pathing support (EonPath); Device mapper support Availability and Reliability Cache backup technology: protects cached data during power outage by flushing data into flash memory Port trunking / link aggregation (IEEE 802.3ad), fail-over, jumbo frame Management SANWatch management suite; Embedded RAIDWatch; Terminal via RS-232C; Telnet/SSH **Notification** Email, Fax, LAN broadcast, SNMP traps, SMS Microsoft Windows Server 2008 / 2008 R2 / 2012 / 2012 R2, Microsoft Windows Hyper-V, Red Hat Enterprise, Linux, SUSE Linux **OS** support Enterprise, Sun Solaris, Mac OS X, HP-UX², IBM AIX², VMware, Citrix XenServer, OpenStack Cinder 3-year limited hardware warranty and 8x5 phone, web, and email support (Batteries are covered under Standard service warranty for 2 years) Replacement part dispatch on the next business day (up to 5 years) Service and support 1 $Advanced\ service:\ 24x7\ phone,\ web,\ and\ email\ support\ +\ onsite\ diagnostics\ on\ the\ next\ business\ day$ Upgrade/extension options (up to 5 years) Premium service: 24x7 phone, web, and email support + onsite diagnostics in 4 hours (up to 5 years) Extended standard service up to 5 years

2. Limited support. Check for detailed information.



^{1.} All EonStor DS systems ship with standard service. Extended service terms may vary by region





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