OInfortrend



EonStor GS Family

Enterprise-Class Unified Storage Integrating SAN, NAS and Cloud

Highlight

- Consolidates SAN, NAS and Cloud in a single system to enjoy powerful storage features
- Automatically reconnected I/O during path failure
- Cache protection with super-capacitor and flash to ensure data safety
- IDR support ensures that all hard drives are healthy to prevent from rebuilding
- EonOne management interface provides a single control center for system management and resources monitoring

Introduction

The EonStor GS series forms the backbone of our high-performance enterprise storage solution with its powerful performance, flexibility, and high expandability helping to efficiently boost overall productivity. GS can handle large amounts of I/O and file transfers even under high workloads and are especially suitable for hybrid environments adopting SAN, NAS, and Cloud integration. It is perfect for those who want performance, capacity, and a high port count, and at the same time, it is ideal for budget-conscious applications as it can easily meet all general storage needs.

Symmetric Active-active Controllers

The EonStor GS Series supports symmetric active-active controller configuration for blocklevel data access to achieve little or no failover time in the event of a path failure.

This design is also able to minimize administrative efforts and boost operation efficiency. Hosts can access the same LUNs simultaneously via both controllers. I/O workloads are more evenly distributed across both controllers and all paths, effectively minimizing costly path management time.

Infinite Storage Capacity on Cloud

The key benefits of cloud storage solutions are their high service durability and the "scale on demand" flexibility allowing to expand storage as your business evolves. As a great on-premises cache/backup storage to cloud storage, EonCloud Gateway features both a wide range integration for both private cloud and public cloud solutions and smart data services such as heterogeneous cache modes, tiering and backup modes to automatically streamline the optimal data flow between local and cloud storage and also save costs.

Comprehensive Data Protection and Security

Security threats are not the only concern when it comes to safeguarding data. Unexpected disk failures, natural disasters, and power outages - all add up to the risk of data loss. EonStor GS series ensures that risk is minimal with its integrated backup functions such as Intelligent Drive Recovery (IDR), snapshot, local replication, remote replication, and file-level rsync.

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Power Supply Unit with fan module) (Redundant/hot-swappable) AC Voltage (with PFC(auto-switching)) 100VAC @8A to 240VAC @4A GS 3000/4000: 100VAC @10A to 240VAC @5A GS 3060L/4060L: 200-240VAC @7.08A Frequency 50-60 Hz Note: Power is also supplied in redundant mode, allowing full operation with half the resources.	Package Dimensions (W x H x D)		2U 24-bay: 780 x 338 x 588 mm		4U 24-bay: 780 x 465 x 588 mm			
Yower Supply Unit (with fan module) (with PFC(auto-switching)) 100VAC @8A to 240VAC @4A GS 3060L/4060L: 200-240VAC @7.08A Frequency Frequency GS 3000/4000: 47-63 Hz GS 3060L/4060L: 50-60 Hz GS 3000/4000: 47-63 Hz GS 3060L/4060L: 50-60 Hz Note: Power is also supplied in redundant mode, allowing full operation with half the resources. Note: Power is also supplied in redundant mode, allowing full operation with half the resources.			460W x 2 (80 PLUS Bronze)					
Frequency GS 3000/4000: 47-63 Hz GS 3060L/4060L: 50-60 Hz Note: Power is also supplied in redundant mode, allowing full operation with half the resources.	Power Supply Unit (with fan module)		100VAC @8A to 240VAC @4A		GS 3060L/4060L: 200-240VAC @7.08A			
		Frequency			GS 3060L/4060L: 50-60 Hz			
- Flashamanati- O								
	Safety Standard			 Safety : UL, BSMI, CI 	3			

SOFTWARE	SPECIFICATIONS						
Max. Logical Drives Number		32					
Max. Logical Drives Capacity		512TB					
Configurable Stripe Size		16KB, 32KB, 64KB, 128KB, 256KB, 512KB, or 1024KB per logical drive					
Configurable Writes P	Policy	Write-Back or Write-Through per logical drive. This policy can be modified.					
Max. Pool Size		2РВ					
Max. Pool Number		32					
Max. Volume Size		2РВ					
Max. Volume Number	r (per pool/per system)	1024					
Max. Host LUN Mapp	ing Number	4096					
Max. Reserved Tag N	Max. Reserved Tag Number per Host-LUN Connection		Up to 256				
Max. iSCSI Initiators ((per controller)	832					
Max. Host Connection	Max. Host Connection Number (per FC)		128				
RAID Options		RAID 0, RAID 1, RAID 3, RAID 5, RAID 6, RAID 10, RAID 30, RAID 50, RAID 60					
	File Level Protocol	CIFS/SMB (Version 2.0/3.0), NFS (Version 2/3/4), AFP (Version 3.1.12), FTP/FXP (vsftp 2.3.4), WebDAV (httpd package 2.4.6)					
Protocol Support	Block Level Protocol	FC, iSCSI, SAS					
	Object Level Protocol	RESTful API					
	Max. File System Size	2РВ					
	Max. Number of User Accounts	20000					
	Max. Number of User Groups	512					
	Max. Number of Folder Sharing	2048 (NFS/CIFS/FTP) 255 (AFP)					
File Level	Max. Number of Rsync Jobs	1024					
	Max. Number of Rsync Concurrent Processes	64					
	Max. Number of Concurrent Connections (NFS/CIFS/AFP/FTP)	 16 GB memory: 200 32 GB memory: 512 64 GB memory: 1024 128 GB memory: 2048 					
Management	Management		ient Ilder access control	 Integration with Microsoft Active Directory (AD) and LDAP Folder encryption with AES Web-based EonOne management software Storage Resource Management to analyze history records of resource usage 			
Availability and Reliability		Hot-swappable hardware modules Device mapper support Antivirus Trunk group support		Cache Safe technology UPS WORM (For file level only) SMB Multichannel			
Notification		• Email	• SNMP traps				
Applications		File explorerProxy server	Syslog serverVPN server	• LDAP server • Docker			
Cloud Feature		EonCloud Gateway supports the integration with following cloud providers: Amazon S3, Microsoft Azure, Alibaba Cloud, OpenStack, Baidu Cloud,Google Cloud, Tencent Cloud, Wasabi Cloud, etc. For complete information about cloud provides support, please refer to EonCloud Gateway webpage					
OS Support		Microsoft Windows Server ,Red Hat Enterprise Linux, Mac OS X, VMware					
		Note: For OS version support, please refer to the compatibility matrix.					

Self-encrypting Drives		Unique factory encryption secures data plus makes deletion simple and complete			
Thin Provisioning (Block-Level)(default included)		"Just-in-time" capacity allocation optimizes storage utilization and eliminates allocated but unused storage space			
		Snapshot images per source volume	Standard License: 64 / Advanced License: 256		
Local Replication	Snapshot	Snapshot images per pool	Standard License: 128 / Advanced License: 4096		
		Replication pairs per source volume	Standard License: 4 / Advanced License: 8		
	Volume Copy/Mirror	Replication pairs per system	Standard License: 16 / Advanced License: 256		
		Note: Standard license is included by de	fault and advanced is an optional license		
		Replication pairs per source volume: 8	Replication pairs per source volume: 8		
Remote Replication (Block level) (optional)		Replication pairs per system: 64			
		 Note: 1. The maximum number of replication pair per source volume is up to 8, regardless of remote asynchronous/remote synchronous/local volume pairs. 2. 4 x 16Gb FC and 2/4 x 32Gb FC host boards do not support Remote Replication. 			
Remote Replication (File Level)		Support Rsync with 128-bit SSH encryption			
		2 or 4 storage tiers based on drive types			
Automated Storage	Fiering (optional)	SSD supports			
		Automated data migration with scheduling options			
		Accelerating data access for random read-intensive environments, such as OLTP			
		Supports up to four SSDs per controller			
		Recommended DIMM capacity per controller for SSD Cache pool for GS 1000 Gen2, GS 2000			
		DRAM: 8GB	Max SSD Cache Pool Size: 400GB		
		DRAM: 16GB	Max SSD Cache Pool Size: 600GB		
Block-level SSD Cac	he (optional)	DRAM: 32GB	Max SSD Cache Pool Size: 1,000GB		
		Recommended DIMM capacity per controller for SSD Cache pool for GS 3000/4000 Gen2			
		DRAM: 8GB	Max SSD Cache Pool Size: 500GB		
		DRAM: 16GB	Max SSD Cache Pool Size: 1,000GB		
		DRAM: 32GB	Max SSD Cache Pool Size: 2,000GB		
		DRAM: 64GB and up	Max SSD Cache Pool Size: 4,000GB		
File-level SSD Cache (optional)		Accelerating file operations, and data access performance for both read and write Supports up to eight SSDs per controller			

WARRANTY AND SERVICE					
	Standard Service	3-year limited hardware warranty and 8x5 phone, web, and email support (batteries are covered under warranty for 2 years)			
Service and Support	Upgrade or Extension Options	Warranty extension: Can extended standard service up to 5 years The following Service can be upgraded to 5 years • Upgrade: Replacement part dispatch on the next business day • Advanced service: 24x7 phone, web, and email support + onsite diagnostics on the next business day • Premium service: 24x7 phone, web, and email support + onsite diagnostics in 4 hours			
		Note: Options may vary by region. For more details, please contact our sales representatives.			
	Technical Support	Get information on system installation and maintenance, download technical documents and software, or issue a support ticket			
	Product Services	Register products, download firmware, apply for licensing services, create product repair tickets, or check product repair status			

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