

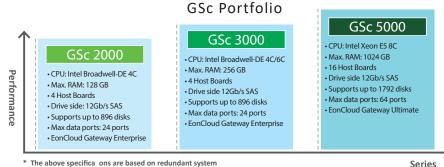
Hightlight

- Easy cloud integration with the existing IT environment and applica ons with general file or block-level as well as the local and cloud data through the common protocols. (e.g. NFS/CIFS/FTP/Rsync/iSCSI)
- Enable faster cloud data access by designatethe local storage to act as cloud
- Flexible cache policy with more than 9 types of intelligent cache policies and extensive parameter set ngs.
- · Cost-savings on cloud service and bandwidth with built-in data compression and deduplicaon features.
- Scalable big data support with up to 2PB of cloud storage space and hundreds million files in the cloud.
- Secure and protect enterprise data with AES 256-bit data encryption and ensures no public cloud data can be decrypted by anyone else. All transmissions to and from the cloud are SSL/TLS encrypted.
- Simple-to-use and web-based cloud management interface can be operated by any IT staff with a general browser, reducing the management complexity.
- Powerful local storage with excellent block/ file level performance and can deliver up to 700K IOPS, 23,000MB/s block and 17,000MB/s CIFS bandwidth.

Introduction

Today companies across industries and verticals are getting on the cloud. Infortrend introduced all new EonStor GSc family of hybrid cloud storage appliance designed for businesses to streamline cloud deployment by moving and managing data between local and cloud in a transparent manner. GSc offers differentiated features in cloud cache, cloud backup, and cloud tiering.

GSc family inherited company's GS line of superior unified storage performance and available in 3 series. EonStor GSc 2000 / 3000 series are cost-effective solutions to meet the cloud storage needs from SMBs to large enterprises. EonStor GSc 5000 series is the high performance cloud storage system designed for modern data centers.



^{*} The above specifica ons are based on redundant system

Integrated with cloud storage gateway func ons, GSc simplifies cloud setup by maintaining compa bility with exis ng IT environment and offers cloud data access to both file and block-level using common protocols, thus greatly reduced the difficulty to reconfigure.

In addi on, GSc allows enterprise with data already on the cloud to speed-up cloud access by designa ng the local storage as cache. With advanced cache feature, IT managers can further op mize cache performance with 9 types of intelligent cache policies with extensive parameter set ngs. Cloud backup feature also enables local data to take periodic snapshots to the cloud for remote backup. Cloud ering feature places the frequently accessed hot data in the local while less-frequently accessed cold data to the cloud.

Data security has always been the top concern for enterprises to get on the cloud. GSc supports AES 256-bit data encryp on and ensures no public cloud data can be decrypted by anyone else. Furthermore, all transmissions to and from the cloud are SSL encrypted to ensure addi onal data security. Built-in data compression and deduplica on features can effec vely reduce the amount of cloud data space used, resul ng in cost-savings. Ini ally, GSc offers connec vity to Amazon S3, Microso Azure, Openstack Swi , and Alibaba Cloud.



Product Series		GSc 2000	GSc 3000 Gen1	GSc 5100	GSc 5200	
Troduct Ochos		GSc 2012 R/S	GSc 3012 R/S	G3C 3100	G3C 3200	
	2U 12-bay	GSc 2012 RT/ST	GSc 3012RT/ST	-	-	
	2U 24-bay	GSc 2024 RB/SB GSc 2024 RTB/STB	GSc 3024 RB/SB	-	-	
Form Factor	2U 25-bay	-	GSc 3025 RB/SB GSc 3025 RTB/STB	-	-	
	3U 16-bay	GSc 2016 R/S GSc 2016 RT/ST	GSc 3016 R/S GSc 3016 RT/ST	-	-	
1011111110101	4U 24-bay	GSc 2024 R/S GSc 2024 RT/ST	GSc 3024 R/S GSc 3024 RT/ST	-	-	
	4U 60-bay	-	GSc 3060RL/GL GSc 3060RTL/GTL	-	-	
	4U	-	-	GSc 5100 R	GSc 5200 R	
		Note:(1) T: High performance G: Single controller S: Single controller(upgradable to dual controller) R: Redundant controller C: Super capac L: One drawer; B: 2.5" form factor.				
Controller		Single or Dual-redundant or Single upgradable to redundant Dual-redundant				
Cache Backup Techniq	ues	Super capacitor + Flash module		BBU+Flash module		
CPU		Intel® Pentium® 2 or 4 core	adable single controller and dual controller models) m® 2 or 4 core		n® F5 8 Core	
		Default DDR4 8GB	Default DDR4 8GB	Default DDR4 128GB	Default DDR4 128GB	
Cache Memory		Expandable up to 64GB	Expandable up to 128GB	Expandable up to 512GB	Expandable up to 1024GB	
Supported Drives		2.5" SAS or SATA SSD 2.5" 12Gb/s SAS 10,000 or 15,000 RPM HDD 3.5" 12Gb/s SAS 7,200 RPM HDD 3.5" 6Gb/s SATA 7,200 RPM HDD				
May Drives Number (v			tails, refer to our official website for th 96	· · ·	700	
Max. Drives Number (v Max. Onboard SAS Exp	. ,	2	4	8	792	
Max.Onboard 1GbE po		8	4	0	0	
Max. Onboard 10GbE p	oorts (RJ-45)	0	4	0	0	
Max. Host Board Slots		2	2	4 (Default Included)	16 4 (Default Included)	
Max. Expansion Board			be installed in the HB2 slot and has	, ,		
Host Board Options		4. For GS 5100 the host board	nt-to-point and switch mode. ansion board can only be installed in ds should be installed in HB7~8. For	16Gb/s FC x 4 32Gb/s FC x 4 1GbE (RJ-45) x 4 10GbE (RJ-45) x 2 40GbE (QSFP+) x 2 12Gb/s SAS x 2 slots HB9 and HB10. GS 5200, the host boards should be installed in HB1—8.		
		To install up to 16 host boa	rds, 128GB is required.(64GB each)		desi(i m eden eend end)	
Max. 16Gb/s FC Ports Max. 32Gb/s FC Ports		16 8	16 16	16 16	64 64	
Max. 1GbE Ports (RJ-4	15)	24	20	16	64	
Max. 10GbE Ports (RJ-		8	12	8	32	
Max. 10GbE Ports (SFF		8	8	8	32	
Max. 25GbE Ports (SF		8	8	8	32	
Max. 40GbE Ports (QSFP+) Max. 12Gb/s SAS Ports		8 10	8 12	8 16	32 40	
Expansion Enclosure (J		10	JB 3012A , JB 3016A, JB 30		40	
Dimensions (without chassis ears/ protrusions)		2U 24-bay: 449 x 88 x 500 mm	3U 16-bay: 449 x 130 x 550 mm 4U 24-bay: 449 x 174.4 x 550 mm 4U 60-bay: 447.6 x 176 x 840.9 mm	449 x 175.3 x 547.7 mm		
Package Dimensions (W x H x D)		2U 24-bay: 780 x 338 x 588 mm	3U 16-bay: 780 x 423 x 588 mm 4U 24-bay: 780 x 465 x 588 mm 4U 60-bay: 620 x 460 x 1140 mm	591 x 295 x 800 mm		
Power Supply Unit (with fan module)	Power Supplies (Redundant/hot-swappable)	460W x 2 (80 PLUS Bronze)	GSc 3000/4000: 530W x 2 (80 PLUS Bronze) GSc 3060L: 1200W x 2 (80 PLUS Platinum)	1200W x 2 (80 PLUS Platinum)		
	AC Voltage (with PFC(auto-switching))	100VAC @8A to 240VAC @4A	GSc 3000/4000: 100VAC @10A to 240VAC @5A GSc 3060L: 100-127VAC @12.47A, 200-240VAC @7.08A	100-127VAC @12.47A, 200-240VAC @7.08A		
		E0 60 Hz	50-60 Hz 47-63Hz			
	Frequency					
	Frequency		indant mode, allowing full operation w • Electromagnetic Comp	vith half the resources.		

SOFTWARE	SPECIFICATIONS					
Max. Logical Drives Number		32				
Max. Logical Drives Capacity		512 TB				
Configurable Stripe Size		16KB, 32KB, 64KB, 128KB, 256KB, 512KB, or 1024KB per logical drive				
Configurable Writes Policy		Write-Back or Write-Through per logical drive. This policy can be modified.				
Max. Pool Size		2PB				
Max. Pool Number		32				
Max. Volume Size		2PB				
Max. Volume Number (per pool/per system)		1024				
Max. Host LUN Mapping Number		4096				
Max. Reserved Tag Number per Host-LUN Connection		Up to 256				
ax. iSCSI Initiators (p	er controller)	832				
ax. Host Connection	Number (per FC)	128				
AID 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 2.2.2), FTP/FXP (vsftp 2.3.4), WebDAV (httpd package 2.4.6)				
otocol Support	Block Level Protocol	FC, iSCSI, SAS				
	Object Level Protocol	RESTful API				
	Max. File System Size	2PB				
	Max. Number of User Accounts	20000				
	Max. Number of User Groups	512				
	Max. Number of Folder Sharing	2048 (NFS/CIFS/FTP) 255 (AFP)				
e 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: 20032 GB memory: 51264 GB memory: 1024128 GB memory: 2048				
Management		User account management Group management Folder management - folder access contro Quota management	 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		Redundant, hot-swappable hardware mod Device mapper support Antivirus Trunk group support	• Cache Safe technology • UPS • WORM (For file level only) • SMB Multichannel			
Notification		Email, SNMP traps				
Applications		 File explorer Proxy server Syslog server VPN server 	LDAP serve 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 2019/2016/2012R2/2012/2008R2/2008, Windows 7 SP1, Windows 8.1, Microsoft Windows Hyper-V, Ret Hat Enterprise Linux, SUSE Linux Enterprise, Sun Solaris, Mac OS X, VMware, Citrix XenServer, OpenStack Cinder				

C. I. D.				
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		
Local Replication	Snapshot	Snapshot images per source volume	Standard License: 64 / Advanced License: 256	
		Snapshot images per pool	Standard License: 128 / Advanced License: 4096	
	Volumo Cony/Mirror	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 o	default and advanced is an optional license	
Remote Replication (Block level)(optional)		Replication pairs per source volume: 8		
		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 Tiering (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		
SSD Cache(optional)		Recommended DIMM capacity for SSD Cache pool:		
		DRAM: 8GB	Max SSD Cache Pool Size: 400GB	
		DRAM: 16GB	Max SSD Cache Pool Size: 600GB	
		DRAM: 32GB	Max SSD Cache Pool Size: 1,000GB	
		DRAM: 64GB	Max SSD Cache Pool Size: 1,600GB	

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.			
	Infortrend Technical Support	FAQ, Download Center, Licensing Service, Service Request			

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