

# **Highlights**

#### **Extreme Performance**

- Up to 1100K IOPS to accelerate storage operations
- Massive sequential throughput of up to 24GB/s read and 12GB/s write

#### **Cost-Effective Storage**

- U.2 NVMe SSD to deliver better performance at lower costs
- Automated storage tiering to fully utilize SSD and HDD

### Flexible Scalability

 Scale-out and scale-up expansions to easily expand performance and capacity to more than 70PB

## **Easy to Use and Manage**

- Single namespace for easier data access
- Auto-balancing to reduce the burden of storage management for IT staff

### **Nondisruptive Operations**

 HA service ensures non-stop operations with a near-zero RTO (recovery time objective) by deploying two storage devices to provide services from two separate sites.

#### Introduction

EonStor GS U.2 NVMe hybrid flash storage is a high performance storage solution for enterprises. Equipped with U.2 NVMe SSD, it delivers higher IOPS and throughput at a cost-effective price. This unified storage series supports both SAN and NAS services, provides block-level and file-level scale-out expansions to linearly increase performance and capacity, and comes with complete data protection that allows IT staff to focus on higher value projects. It thus makes a perfect fit for applications such as HPC, M&E, virtualization, and database.

### **End-to-End High Performance with U.2 NVMe SSD**

Supporting PCIe 4.0, NVMe U.2 SSD, and 100GbE connectivity with RDMA, GS U.2 NVMe storage delivers a higher speed with a lower latency, providing up to 24GB/s read and 12GB/s write in throughput and 1100K on a single appliance.

### **Cost-Effectiveness and High Storage Efficiency**

U.2 NVMe SSD is becoming the mainstream in the market as it combines the advantages of SAS and SATA SSDs, allowing enterprises to enjoy higher performance at a competitive price.

EonStor GS U.2 NVMe storage supports hybrid storage, and with automated storage tiering, the storage system can automatically leverage the high throughput and low latency of U.2 NVMe SSDs for frequently accessed data, while using HDDs on expansion enclosures as data backup media, thereby boosting system performance at a reduced total cost of ownership.

EonStor GS U.2 NVMe storage also comes with inline compression and offline deduplication, which reduces the required storage capacity and thus saves storage costs. The inline compression feature compresses raw files in real-time, which greatly shrinks the data size and reduces the transfer time. To deal with repeated files saved by manual backups or archiving, offline deduplication helps you automatically remove duplicate data from the cluster to free up storage space.

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#### Flexible Scalability with Scale-out and Scale-up

Through scale-out expansion, you can linearly increase performance and capacity for both block-level and file-level environments. When one storage appliance is no longer able to provide enough performance or capacity, you can simply add more appliances to form a cluster—with a maximum of 4 appliances.

Through scale-up expansion, each storage appliance can be connected to JBOD expansion enclosures to add up to 896 drives. Together with scale-out expansion, EonStor GS U.2 NVMe storage supports more than 3000 drives in total.

#### **Easy Data Access for Users and Simple IT Management**

Users can access shared folders in a single root directory under a single namespace, without having to worry about where the data is stored. Auto-balancing is also supported to achieve load balancing, which relieves the burden of manual planning and configuration for IT personnel.

#### **Smart Management of SSD**

EonStor GS U.2 NVMe storage uses an intelligent algorithm to handle data writes and optimize SSD usage. The algorithm not only extends SSD lifespan by reducing the total amount of writes on an SSD but also prevents multiple SSDs from failing at the time and causing data loss. Moreover, as EonStor GS U.2 NVMe storage monitors SSD status in real time, it estimates the remaining lifespan of each SSD and sends the administrator a reminder to replace the SSD that is about to fail.

#### **Complete Data Protection and Backup**

EonStor GS U.2 NVMe offers various data protection mechanisms to guarantee data safety. First, Infortrend's unique RAID technology ensures your data remains intact even in case of a drive failure. With snapshot, a flexible backup tool, you can back up local resources on a storage system by schedule, including volumes and shared folders, and roll back to a previous version when needed. For further protection, you can back up data to a remote GS appliance using the remote replication feature, or to a public cloud with EonCloud Gateway.

Immutable object storage, another crucial feature for data protection, safeguards data against ransomware attacks. It retains data with WORM (write once read many) storage protection, where data gets "locked" and therefore cannot be modified, deleted, overwritten, or even encrypted by ransomware. By setting a retention period, you can easily follow government compliance requirements or company policies on data retention.

For companies requiring an easy-to-use and reliable storage solution for file backup, EonStor GS U.2 NVMe storage can be utilized as a backup appliance, allowing you to leverage its backup service to back up PC folders, file servers, and public cloud through a GUI interface. Additionally, you can set options such as a backup schedule and a retention period to best fit your needs.

### **New Level of High Availability**

From power supplies, cooling fans, controllers, to host boards, the modular design of all these hardware components lowers maintenance complexity and provides fast, precise technical support and RMA services, keeping EonStor GS U.2 NVMe storage safe from any downtime to maintain nonstop services, increase productivity, and enhance competitiveness.

In addition, EonStor GS U.2 NVMe storage offers HA service to deliver continuous availability with a near-zero RTO (recovery time objective) and a zero RPO (recovery point objective). With two storage devices deployed at near sites, the HA service provides block-level active-active storage and file-level active-passive storage for business-critical applications that have an extremely low tolerance for downtime. Featuring synchronous remote replication and auto-failover, this solution ensures identical and complete copies of data are stored on both storage devices and avoids service downtime due to planned or unexpected events. Auto-failback is available in block-level HA service, allowing a storage device to resume services without switching manually.

### **Intuitive Management Software**

GS U.2 NVMe storage adopts EonOne, a web-based management software tool, to assist customers in raising storage and service efficiency for increased productivity. With its intuitive interface design, IT administrators can easily manage a cluster and multiple appliances, monitor performance and capacity usage, and complete system configurations, all from one centralized interface.

Product Series			GS 2000U	GS 3000U	GS 3000UT	GS 4000U	
	2U 24-bay		GS 2024 <b>UR</b>	GS 3024 <b>UR</b>	GS 3024 <b>URT</b>	GS 4024 <b>UR</b>	
Form Factor	4U 48-bay		-	-	GS 3048 <b>URT</b>	GS 4048 <b>UR</b>	
			Note: U: NVMe storage R: Dual redundant controllers T: High performance				
Controller				Dual red	undant		
Cache Backup T	Technology			Super capacitor	+ flash module		
CPU		Intel® Xeon® D 2-Core	Intel <sup>®</sup> Xeon <sup>®</sup> D 4-Core	Intel® Xeon® D 4-Core	Intel® Xeon® D 6-Core		
Cache Memory		Default DDR4 16GB, up to 128GB Default DDR4 48GB, up to 384GB					
Supported Drives		2.5" U.2 NVMe SSD (must be purchased from Infortrend)					
		Note: For the latest compatibility	y details, refer to our official webs	ite for the latest Compatibility Gu	ıide.		
Acy Drive	Via Expansion Eno	closures,	896	896	896	896	
Max. Drive Number	Via Scale-out with Series of Applianc per Cluster		3584	3584	3584	3584	
Max. SSD Cach	e Pool (Block Level)		4TB				
Onboard 10GbE	Ports (SFP+)		0	4	0	0	
Onboard 25GbE	Ports (SFP28)		0	0	4	0	
Host Board Options		• 1GbE (R,145) x 4  • 10GbE (SFP+) x 2  • 25GbE (SFP28) x 2  • 12Gb/s SAS x 2   Note: 1. One 100GbE x 2 host board delivers a maximum throughput of 100Gb/s.  2. At least 24GB memory is required per controller to use 100GbE RDMA.  3. It is strongly recommended that you refer to the latest Host Board and Memory Guide on our website for cominformation, including supported combinations and important notes, before purchasing any host board for you			3) x 2 228) x 1, RDMA 228) x 2, RDMA 2		
Max. 16Gb/s FC	Ports		16	16	16	16	
Max. 32Gb/s FC Ports		16	16	16	16		
Max. 32Gb/s FC		Max. 10GbE Ports (SFP+)			•	_	
			8	8	8	8	
	rts (SFP+)		8	8	8	8	
Max. 10GbE Por	rts (SFP+) rts (SFP28)						
Max. 10GbE Por Max. 25GbE Por Max. 100GbE Po	rts (SFP+) rts (SFP28) orts (QSFP28)		8	8	8	8	
Max. 10GbE Por Max. 25GbE Por Max. 100GbE Po Max. 12Gb/s SA	rts (SFP+) rts (SFP28) orts (QSFP28) S Ports		8 0 8	8	8 4 8	8 4 8	
Max. 10GbE Por Max. 25GbE Por Max. 100GbE Po Max. 12Gb/s SA Expansion Enclo	rts (SFP+) rts (SFP28) orts (QSFP28) AS Ports osures (JBODs) thout Chassis Ears ar	nd	8 0 8	8 0 8 IB 3012A, JB 3016A, JB 3024BA,	8 4 8 JB 3025BA, JB 3060L, JB 3090 • 2U 24-bay: 448	8 4 8	
Max. 10GbE Por Max. 25GbE Por Max. 100GbE Po Max. 12Gb/s SA Expansion Enclo Dimensions (With Protrusions) (With	rts (SFP+) rts (SFP28) orts (QSFP28) AS Ports osures (JBODs) thout Chassis Ears ar	nd	8 0 8	8 0 8 IB 3012A, JB 3016A, JB 3024BA,	8 4 8 JB 3025BA, JB 3060L, JB 3090 • 2U 24-bay: 449 • 4U 48-bay: 449 x 338 x 588 mm	8 4 8 0 9 x 88 x 530 mm	
Max. 10GbE Por Max. 25GbE Por Max. 100GbE Po Max. 12Gb/s SA Expansion Enclo Dimensions (With Protrusions) (With	rts (SFP+) rts (SFP28) orts (QSFP28) as Ports osures (JBODs) thout Chassis Ears ar	nd	8 0 8	8 0 8 B 3012A, JB 3016A, JB 3024BA, x 500 mm • 2U 24-bay: 780	8 4 8 JB 3025BA, JB 3060L, JB 3090 • 2U 24-bay: 449 • 4U 48-bay: 449 x 338 x 588 mm x 423 x 588 mm PLUS Bronze)	8 4 8 0 9 x 88 x 530 mm	
Max. 10GbE Por Max. 25GbE Por Max. 100GbE Po Max. 12Gb/s SA Expansion Enclo Dimensions (Wit Protrusions) (With	rts (SFP+) rts (SFP28) orts (QSFP28) S Ports osures (JBODs) thout Chassis Ears ar x H x D) sions (W x H x D)  Power Supplies		8 0 8	8 0 8 1B 3012A, JB 3016A, JB 3024BA, x 500 mm  • 2U 24-bay: 780 • 4U 48-bay: 780 • 4U 48-bay: 1300W x 2 (80) • 4U 48-bay: 1300W x 2 (80) • 4U 48-bay: 1300W x 2 (80)	8 4 8 JB 3025BA, JB 3060L, JB 3090 • 2U 24-bay: 449 • 4U 48-bay: 449 x 338 x 588 mm x 423 x 588 mm PLUS Bronze) PLUS Titanium) PLUS Titanium) PLUS Titanium)	8 4 8 0 9 x 88 x 530 mm	
Max. 10GbE Por Max. 25GbE Por Max. 100GbE Po Max. 12Gb/s SA Expansion Enclo Dimensions (With Protrusions) (With	rts (SFP+) rts (SFP28) orts (QSFP28) S Ports osures (JBODs) thout Chassis Ears ar x H x D) sions (W x H x D)  Power Supplies (Redundant and	Global EU	8 0 8	8 0 8 B 3012A, JB 3016A, JB 3024BA, x 500 mm  • 2U 24-bay: 780 • 4U 48-bay: 1300W x 2 (80) • 4U 48-bay: 100-240VAC (60) • 4U 48-bay: 100-127VAC (60)	8 4 8 JB 3025BA, JB 3060L, JB 3090 • 2U 24-bay: 445 • 4U 48-bay: 445 x 338 x 588 mm x 423 x 588 mm PLUS Bronze) PLUS Titanium) PLUS Titanium) PLUS Titanium) 210-5A 210A, 200-240VAC @8.5A	8 4 8 0 9 x 88 x 530 mm	
Max. 10GbE Por Max. 25GbE Por Max. 100GbE Por Max. 12Gb/s SA Expansion Enclor Dimensions (With Protrusions) (With Prackage Dimens	rts (SFP+) rts (SFP28) orts (QSFP28) as Ports osures (JBODs) thout Chassis Ears ar x H x D) sions (W x H x D)  Power Supplies (Redundant and Hot-swappable)	Global	8 0 8	8 0 8 0 8 8 8 8 8 8 8 9 8 9 9 9 9 9 9 9	8 4 8 JB 3025BA, JB 3060L, JB 3090 • 2U 24-bay: 449 • 4U 48-bay: 449 x 338 x 588 mm x 423 x 588 mm PLUS Bronze) PLUS Titanium) PLUS Titanium) PLUS Titanium)  PLUS Titanium)  10-5A 10-5A 10-5A 10-5A 10-5A 10-5A 10-5A 10-5A	8 4 8 0 9 x 88 x 530 mm	

Max. Logical Dire Capacity	SOFT	WARE SPECIFICA	TIONS				
Sith politics         1000, 30/6, CAVR, 178/R. 20/6, 612/R. 1004/R. per logical drive)           Miss. Pool Number         298           Miss. Pool Number         399           Miss. Pool Number         299           Miss. Volume State         1004           Miss. Volume State         1004           Miss. Volume State         299           Miss. Volume State         200           Miss. Pool Number         200         APRIL D. S. PAID S.	Max. Logical Drive Number		30				
With Endock or write Brough (per ligital drive)           Max. Pool Namer*         2PB           Max. Pool Namer*         3D           Max. Volume Size*         2PB           Max. Volume Size*         2PB           Max. Volume Size*         4995           Max. Robit LLM Mapping Number         4995           Max. Robit LLM Mapping Number         4925           Max. Robit LLM Mapping Number         522           Max. Robit LLM Mapping Number         4926           Max. Robit LLM Mapping Number         4926           Max. District of State Size*         7900           Max. District of State Size*         PRADO Question 33, NPAID 30, RAID 50, RAID 50, RAID 60           Stappoint Max. Available of User Acquaints         2PB           Max. Number of User Acquaints         1024           Max. Number of Robus Libra         1024	Max. Logical Drive Capacity		512TB				
Max. Pixel Silve	Stripe Size		16KB, 32KB, 64KB, 128KB, 256KB, 512KB, 1024KB (per logical drive)				
Max. Pool Number	Write Policy		Write-back or write-through (per logical drive)				
Max. Volume Number  Max. Host LUM Mapping Number  Max. Host Schildrich  Max. Host Comection Number  Max. Host Comection Number  Max. Host Comection Number  Max. Host Comection Number  RAID Option  File Level  Option Level  Option Level  Option Level  RAID Option  File Level  Option Level  Option Level  RAID Number of User Account  Option  Max. Number of User Account  Particle Option  Max. Number of User Account  Particle Option  Max. Number of Shawed Foliate  Option  Max. Number of Connocition  Option	Max. Pool S	ize	2PB				
Max. Notart Un Mapping Number	Max. Pool Number		30				
Max. Host LIN Humping Number	Max. Volume	e Size	2PB				
Max. Reserved Tigh Number	Max. Volume Number		1024				
Max. IRCS Intellation         832           Max. Host Connection Number         128 (per PC)           RAID Option         RAID 0, RAID 1, RAID 3, RAID 50F, RAID 60F, RAID 10, RAID 30, RAID 50, RAI	Max. Host LUN Mapping Number		4096				
Max. Host Cortection Number	Max. Reserved Tag Number		256 (per Host-LUN connection)				
RAID Option=	Max. iSCSI I	Initiators	832				
File Level	Max. Host C	Connection Number	128 (per FC)				
Supported   Black Level   FC, ISCSI, SAS	RAID Option	ns	RAID 0, RAID 1, RAID 3, RAID 5/5F, RAID 6/6F, RAID 10, RAID 30, RAID 50, RAID 60				
Prof.   Succession   Prof.		File Level	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)				
Max   Number of User Accounts   2000   200		Block Level	FC, ISCSI, SAS				
Max. Number of User Accounts   20000   12   12   12   13   14   14   14   14   14   14   14		Object Level	RESTful API				
Max. Number of Shared Folder   2048 (NFS/CIFS/FTP)   255 (AFP)   1024		Max. File System Size	2PB				
Hille Level   Max. Number of Shared Folders   1024		Max. Number of User Accounts	20000				
Max. Number of Concurrent Rsync Processes Max. Number of Concurrent Rsync Processes Max. Number of Connections Management  - Web-based Econ Normanagement software - Storage Resource Management to analyze history of resource usage - Multi-factor authentication login mechanism - Folder nanagement - Group management - Integration with Microsoft Active Directory (AD) and Linux LDAP - Storage Resource Management to analyze history of resource usage - Multi-factor authentication login mechanism - Folder encryption with Meleved Cos (Previous management to analyze history of resource usage - Multi-factor authentication login mechanism - Multi-factor au		Max. Number of User Groups	512				
Max. Number of Concurrent Reync Processes  Max. Number of Connections  2048 (NFS/CIFS/AFP)   1024 (FTP)	File Level	Max. Number of Shared Folders	2048 (NFS/CIFS/FTP)   255 (AFP)				
Number of Connections   Supported Chounged by Supported Chounged		Max. Number of Rsync Jobs	1024				
Web-based EonOne management software   User account management software   User account management   Software   User account management   Software   Soft			64				
Supported OS		Max. Number of Connections	2048 (NFS/CIFS/AFP)   1024 (FTP)				
Availability and Reliability  Availability and Reliability  Availability and Reliability  Availability and Reliability  Propercy  Availability and Reliability  Profect Server  Inline compression  Offfine deduplication  Notification  Profect Server  ResouceSpace  ResouceSpace  ResouceSpace  Productivity  Mail Server  Notification  Productivity  Mail Server  NoteServer  NoteServer  NoteServer  NoteSourity  Anti-virus  Security  Anti-virus  Supported Cloub Services  Profect Server  Amazon S3, Microsoft Azure, Alibaba Cloud, OpenStack, Baidut Cloud, Google Cloud, Tencent Cloud, Wasabi Cloud, etc.  Note: For complete information about supported dcloud providers, please refer to EonCloud Gateway webpage https://www.infortrend.com/global/solutions/eoncloud  Note: Server, Red Hat Enterprise Linux, SUSE Linux Enterprise, Sun Solaris, MacOS X, VMware  Note: Server Red Hat Enterprise Linux, SUSE Linux Enterprise, Sun Solaris, MacOS X, VMware	Management		<ul> <li>User account management</li> <li>Group management</li> <li>Folder management - folder access control</li> <li>Quota management</li> <li>Storage Resource Management to analyze history of resormulation login mechanism</li> <li>File-level QoS (network traffic control)</li> <li>SMI-S standard interface for hypervisor management app</li> </ul>				
Notification  - Email  - SNMP traps  - ResouceSpace  - ONLYOFFICE  - ONLYOFFICE  - ONLYOFFICE  - ONLYOFFICE  - ONLYOFFICE  - O	Availability and Reliability		Hot-swappable hardware modules     Device mapper     Antivirus	UPS WORM (file level only) SMB Multichannel			
Applications Productivity Management Proxy Server * Docker  Supported Cloud Services Processing Supported OS  Mile Sharing and Syncing Productivity * Mail Server * Web Server * ONLYOFFICE	Efficiency		Inline compression	Offline deduplication			
Applications  Productivity	Notification		• Email	SNMP traps			
Applications  File Sharing and Syncing  Nextcloud  Productivity  Management  Proxy Server  LDAP Server  Syslog Server  VPN Server  VPN Server  VPN Server  File Explorer  File Explorer  Supported Cloud Services  Note: For complete information about supported cloud providers, please refer to EonCloud Gateway webpage https://www.infortrend.com/global/solutions/eoncloud  Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise, Sun Solaris, MacOS X, VMware		M&E	Project Server	ResouceSpace			
Applications Productivity • Mail Server • Web Server • ONLYOFFICE  Management • Proxy Server • LDAP Server • Syslog Server • VPN Server  • VPN Server  • VPN Server  • Docker  Utility • File Explorer • Docker  EonCloud Gateway supports integration with the following cloud providers: Amazon S3, Microsoft Azure, Alibaba Cloud, OpenStack, Baidu Cloud, Google Cloud, Tencent Cloud, Wasabi Cloud, etc.  Note: For complete information about supported cloud providers, please refer to EonCloud Gateway webpage https://www.infortrend.com/global/solutions/eoncloud  Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise, Sun Solaris, MacOS X, VMware		Data Backup	Object Storage				
Management  Proxy Server LDAP Server Syslog Server VPN Server  VPN Server  Anti-virus  Utility File Explorer  Docker  EonCloud Gateway supports integration with the following cloud providers: Amazon S3, Microsoft Azure, Alibaba Cloud, OpenStack, Baidu Cloud, Google Cloud, Tencent Cloud, Wasabi Cloud, etc.  Note: For complete information about supported cloud providers, please refer to EonCloud Gateway webpage https://www.infortrend.com/global/solutions/eoncloud  Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise, Sun Solaris, MacOS X, VMware		File Sharing and Syncing	Nextcloud				
Security  - Anti-virus  Utility  - File Explorer  - Docker  EonCloud Gateway supports integration with the following cloud providers: Amazon S3, Microsoft Azure, Alibaba Cloud, OpenStack, Baidu Cloud, Google Cloud, Tencent Cloud, Wasabi Cloud, etc.  Note: For complete information about supported cloud providers, please refer to EonCloud Gateway webpage https://www.infortrend.com/global/solutions/eoncloud  Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise, Sun Solaris, MacOS X, VMware	Applications	Productivity	Mail Server     Web Server	• ONLYOFFICE			
Utility  • File Explorer  • Docker  EonCloud Gateway supports integration with the following cloud providers: Amazon S3, Microsoft Azure, Alibaba Cloud, OpenStack, Baidu Cloud, Google Cloud, Tencent Cloud, Wasabi Cloud, etc.  Note: For complete information about supported cloud providers, please refer to EonCloud Gateway webpage https://www.infortrend.com/global/solutions/eoncloud  Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise, Sun Solaris, MacOS X, VMware		Management	Proxy Server     LDAP Server	Syslog Server     VPN Server			
Supported Cloud Services  EonCloud Gateway supports integration with the following cloud providers: Amazon S3, Microsoft Azure, Alibaba Cloud, OpenStack, Baidu Cloud, Google Cloud, Tencent Cloud, Wasabi Cloud, etc.  Note: For complete information about supported cloud providers, please refer to EonCloud Gateway webpage https://www.infortrend.com/global/solutions/eoncloud  Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise, Sun Solaris, MacOS X, VMware  Supported OS		Security	Anti-virus				
Amazon S3, Microsoft Azure, Alibaba Cloud, OpenStack, Baidu Cloud, Google Cloud, Tencent Cloud, Wasabi Cloud, etc.  Note: For complete information about supported cloud providers, please refer to EonCloud Gateway webpage https://www.infortrend.com/global/solutions/eoncloud  Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise, Sun Solaris, MacOS X, VMware  Supported OS		Utility	File Explorer	• Docker			
Note: For complete information about supported cloud providers, please refer to EonCloud Gateway webpage https://www.infortrend.com/global/solutions/eoncloud  Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise, Sun Solaris, MacOS X, VMware Supported OS	Supported C	Noud Services					
Supported OS	Supported Cioud Services						
	Supported C		Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise, Sun Solaris, MacOS X, VMware				
			Note: For supported OS versions, please refer to the Compatibility Guide.				

Thin Provisioning Block Level		Default	"Just-in-time" capacity allocation optimizes storage utilization and eliminates allocated but unused storage space.			
Local Replication		File Level	Optional	Snapshot images per folder: 1024		
	Snapshot	Block Level	Default	Snapshot images per so	urce volume: 64	Snapshot images per system: 128
			Optional	Snapshot images per so	urce volume: 256	Snapshot images per system: 4096
		Volume Copy/Mirror		Replication pairs per sou	ırce volume: 4	Replication pairs per system: 16
	Volume Cop			Replication pairs per sou	ırce volume: 8	Replication pairs per system: 256
		File Level	Default	Support Rsync with 128-	-bit SSH encryption	
Remote				Replication pairs per sou	ırce volume: 8	Replication pairs per system: 64
Replication	Block Level	evel Optional	Note: The maximum number of replication pairs per source volume is 8, whether they are remote asynchronous pairs, remote synchronous pairs, or local volume pairs			
Automated Storage Tiering		Optional	Storage tiers per pool: 4			
		File Level	Default	Appliances per cluster: 1		
Scale-out			Optional	Appliances per cluster: 4		
		Block Level	Default	Appliances per cluster: 4		
HA Service		File Level	Optional	Delivering continuous availability and eliminating downtime for mission-critical workloads that require non-stop operations		
		Block Level		Note: HA Service is not available on GS 2000U.		
		File Level	Optional	Accelerating file operations and data access performance for both read and write Max. SSD number: 8		
				Accelerating data access in random read-intensive environments (e.g. OLTP) Max. SSD number: 4		
0000		Block Level		Recommended DIMM capacity per controller for SSD Cache pool		
SSD Cache			Optional	DRAM : 8GB Max SSD cache pool size : 0.5TB		
			Optional	DRAM : 16GB Max SSD cache pool size : 1TB		
				DRAM : 32GB	RAM : 32GB Max SSD cache pool size : 2TB	
				DRAM : 64GB and up	Max SSD cache pool s	ize : 4TB

WARRANTY AND SERVICE			
	Standard Service	3-year limited hardware warranty and 8 x 5 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: phone, web, and email support + onsite diagnostics on the next business day  • Premium service: 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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