OInfortrend



EonStor GS SAS HDD Storage

Scale-out High Availability Unified Storage for Enterprises

Highlights

High Performance and Scalability

- Massive sequential throughput of up to 16GB/s read and 12GB/s write per appliance
- Scale-out and scale-up expansions, providing more than 70PB in a single GS cluster

Easy to Use and Manage

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

High-Density Design

• Reduce hardware footprint with 4U 40/60/90-bay models

Lower Total Cost of Ownership

 Save budgets by using only a few SAS/U.2 NVMe SSDs for cache to reach near all-flash system performance, in both SAN and NAS environments

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 SAS HDD storage series is a unified storage solution for enterprises of all sizes in various applications. Supporting hybrid environments that integrate SAN, NAS, and cloud services, this series includes a wide range of models ready to meet different needs, from performance-hungry applications, general enterprise workloads, to storage solutions requiring a high-density hardware design. With its high performance, flexibility, and scalability, EonStor GS can help organizations boost overall productivity and efficiency.

High Performance

EonStor GS provides high throughput to handle large amounts of I/O and file transfers, even under heavy workloads. The G3 models, which feature high-speed transmission interfaces and protocols, deliver up to 16GB/s read and 12GB/s write in throughput on a single appliance.

Flexible Scalability with Scale-out and Scale-up

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

Through scale-up expansion, each GS unit can be connected to JBOD expansion enclosures to add up to 896 drives. Together with scale-out expansion, GS supports more than 3000 drives with over 70PB storage capacity.

Easy Data Access 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.

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High-Density Design

Enterprises with limited rack space can still get a powerful and high capacity storage solution. Leveraging the high-density 4U 40, 60, or 90-bay models, you can easily achieve your workload requirements with a reduced hardware footprint.

Storage Efficiency with Better TCO

EonStor GS supports SSD cache, which leverages the high speed and low latency of SSDs to deliver faster performance for frequently accessed data. By using only a few SSDs on an HDD-based appliance, SSD cache can help meet enterprises' requirements for both high I/O loads and large storage capacity at a reduced total cost of ownership (TCO). This feature brings advantages to read-intensive SAN environments, such as online transaction processing (OLTP) and email service (e.g. Microsoft Exchange). It also enhances read and write performance for NAS and improves user experience with file operation when a large number of files are stored on a GS unit.

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

Complete Data Protection and Backup

EonStor GS 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 can be utilized as a backup appliance, allowing you to leverage its backup server function to back up data from PC, 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, to controllers, the EonStor GS appliance is built in a modular, redundant, and hot-swappable hardware design, which reduces maintenance complexity and ensures uninterrupted services, whether during a regular system upgrade or even in an unplanned maintenance event due to a component failure.

In addition, EonStor GS 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

EonStor GS 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.

Form Factor	2U 12-bay 3U 16-bay 4U 24-bay		GS 1000 Gen2 GS 1012 R2C/S2C	GS 2000 GS 2012 R/S	GS 3000 G3 GS 3012 R3/S3	GS 4000 G3 GS 4012 R3/S3			
Form Factor	3U 16-bay		GS 1012 R2C/S2C		GS 3012 R3/S3	GS 4012 R3/S3			
Form Factor				GS 2012 RT/ST					
Form Factor	4U 24-bay		GS 1016 R2C/S2C	GS 2016 R/S GS 2016 RT/ST	GS 3016 R3/S3	GS 4016 R3/S3			
Form Factor			GS 1024 R2C/S2C	GS 2024 R/S GS 2024 RT/ST	GS 3024 R3/S3	GS 4024 R3/S3			
	4U 40-bay		-	-	GS 3040 RT3/ST3	GS 4040 R3/S3 GS 4040 R3C/S3C			
	4U 60-bay				GS 3040 RT3C/ST3C GS 3060 RT3/ST3	GS 4060 R3/S3			
					GS 3060RT3C/ST3C GS 3090RT3/ST3	GS 4060 R3C/S3C GS 4090 R3/S3			
	4U 90-bay		-	- Illers S: Single ungradable to r	GS 3090RT3C/ST3C	GS 4090 R3C/S3C en2 3 : G3			
			T: High performance C: Super capacitor (GS 1000 Gen2, GS2000) C: U.2 SSD cache (GS 3000/4000 G3)						
Controller Cache Backup T					pgradable to dual redundant r + flash module				
Саспе васкир т	rechnology			Intel [®] Pentium [®] 2-Core		1			
CPU			Intel [®] Atom [®] 4-Core	Intel® Pentium® 4-Core (for T models)	Intel [®] Xeon [®] D 4-Core	Intel [®] Xeon [®] D 6-Core			
Casha Mamani	Single Controller		Default DDR3 8GB, up to 16GB	Default DDR4 8GB, up to 64GB	 2U 12-bay/3U 16-bay/4U 24-bay: Default DDR4 8GB, up to 192GB 4U 40-bay/4U 60-bay: Default DDR4 12GB, up to 192 4U 90-bay: Default DDR4 16GB, up to 192GB 				
Cache Memory	Redundant Controllers		Default DDR3 16GB, up to 32GB	Default DDR4 16GB, up to 128GB	 2U 12-bay/3U 16-bay/4U 24-bay: Default DDR4 16GB, up to 384GB 4U 40-bay/4U 60-bay: Default DDR4 24GB, up to 384GB 4U 90-bay: Default DDR4 32GB, up to 384GB 				
Supported Drive	25		 40 90-bay. Default DDR4 32GB, up to 384GB 2.5" SAS SSD 2.5" 12Gb/s SAS 10,000 RPM HDD 3.5" 12Gb/s NL-SAS 7,200 RPM HDD 2.5" SATA SSD, 3.5" 6Gb/s SATA 7,200 RPM HDD (for single-controller models only) 2.5" U.2 NVMe SSD (for U.2 SSD cache models; must be purchased from Infortrend) 						
	Vio Exponsion E	0000000-	Note: For the latest compatibility	y details, reter to our official web	site for the latest Compatibility Gu	liae.			
Max. Drive	Via Expansion Enclosures, per Appliance		448	896	896	896			
Number	Via Scale-out with Series of Appliance per Cluster		3136	3584	3584	3584			
Max. SSD Cache Pool (Block Level)			1TB	3.2TB	4TB	4TB			
Onboard 1GbE F	. ,		8	8	0	0			
Onboard 25GbE	· /		0	0	4	0			
Onboard SAS Ex	•		2	2 4	4 4	4			
Max. Host Board Slots Host Board Options Max. 16Gb/s FC Ports		• 16Gb/s FC x 4 • 16Gb/s FC x 4 • 16Gb/s FC x 4 • 32Gb/s FC x 2 • 32Gb/s FC x 4 • 10GbE (SFP+) x 2 • 25GbE (SFP28) x 2 • 10GbE (SFP+) x 2 • 10GbE (SFP28) x 1, RDMA • 10GbE (SFP+) x 2 • 10GbE (SFP28) x 2, SDMA • 10GbE (SFP28) x 2, SDMA • 12Gb/s SAS x 2 • 10GbE (SFP28) x 2, SDMA • 12Gb/s SAS x 2 • 12Gb/s SAS x 2 • 10GbE (SFP28) x 2, MMA • 12Gb/s SAS x 2 • 12Gb/s SAS x 2 • 10GbE (SFP28) x 2, MMA • 12Gb/s SAS x 2 • 10GbE (SFP28) x 2, SDMA • 12Gb/s SAS x 2 • 10GbE (SFP28) x 2, MMA • 12Gb/s SAS x 2 • 10GbE (SFP28) x 2, SDMA • 12Gb/s SAS x 2 • 10GbE (SFP28) x 2, SDMA • 12Gb/s SAS x 2 • 12Gb/s SAS x 2 • 10GbE (SFP28) x 2, SDMA • 12Gb/s SAS x 2 • 12Gb/s SAS x							
		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 complete information, including supported combinations and important notes, before purchasing any host board for your model. 8 16 16 16							
Max. 32Gb/s FC	Ports		4	16	16	16			
Max. 1GbE Ports	(/		8	16	0	0			
Max. 10GbE Por	(/		4	8	8	8			
Max. 25GbE Por Max. 12Gb/s SA	. ,		0 4	8	16 8	16			
Expansion Enclo			JB 3012A, JB 3016A, JB 3024BA,		B 3012A, JB 3016A, JB 3060L, JB 3090				
·			JB 3025BA, JB 3		• 2U 12-bay: 449 x 88 x 509.8 mm • 3U 16-bay: 449 x 130 x 509.8 mm				
Dimensions (Without Chassis Ears and Protrusions) (W x H x D)			 2U 12-bay: 449 x 88 x 500 mm 3U 16-bay: 449 x 130 x 500 mm 4U 24-bay: 449 x 174.4 x 500 mm 		• 4U 24-bay: 443.2 x 174.6 x 509.8 mm • 4U 40-bay: 443.2 x 176 x 735.8 mm • 4U 60-bay: 443.2 x 176 x 849.8 mm • 4U 90-bay: 435 x 176 x 1088.8 mm				
Package Dimens	sions (W x H x D)		• 2U 12-bay: 780 x 379 x 58 • 4U 40-bay: 625 x 460 x 10		x 460 x 1140 mm • 4U 90	4-bay: 780 x 465 x 588 mm 0-bay: 620 x 500 x 1400 mm			
	Power Supplies (Redundant and	Global	`	PLUS Bronze)	• 4U 40-bay/4U 60-bay: 1200W • 4U 90-bay: 1600W x 2 (80 PLU	 2U 12-bay/3U 16-bay/4U 24-bay: 530W x 2 (80 PLUS Bronze 4U 40-bay/4U 60-bay: 1200W x 2 (80 PLUS Platinum) 4U 90-bay: 1600W x 2 (80 PLUS Titanium) 			
Dowor Supely	Hot-swappable)	EU	 2U 12-bay/3U 16-bay/4U 24-ba 4U 40-bay/4U 60-bay: 1300W > 	x 2 (80 PLUS Platinum)		x 2 (80 PLUS Titanium)			
Power Supply	AC Voltage Global		• 2U 12-bay/3U 16-bay/4U 24-bay: 100-240VAC @10-5A • 4U 90-bay: 100-127VAC @12A, 200-240VAC @10A • 4U 40-bay/4U 60-bay: 100-127VAC @10A, 200-240VAC @8A • 4U 90-bay: 100-127VAC @12A, 200-240VAC @10A						
Power Supply Unit	AC Voltage	Global	• 4U 40-bay/4U 60-bay: 100-127	VAC @10A, 200-240VAC @8A					
	AC Voltage	Global EU	• 4U 40-bay/4U 60-bay: 100-127 • 2U 12-bay/3U 16-bay/4U 24-ba	VAC @10A, 200-240VAC @8A ay: 100-127VAC @10A, 200-240V VAC @10A, 200-240VAC @8.5A	AC @5A • 4U 90-bay: 100-127	VAC @12A, 200-240VAC @10/			

SOFTWARE SPECIFICATIONS

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Max. Number of Rsync. Jobs 1024 Max. Number of Concurrent Rsync Processes 64 Max. Number of Connections 2048 (NFS/CIFS/AFP) 1024 (FTP) Mas. Number of Connections 2048 (NFS/CIFS/AFP) 1024 (FTP) Management '	File Level	Max. Number of Shared Folders	2048 (NFS/CIFS/FTP) 255 (AFP)					
Rsync Processes 64 Max. Number of Connections 2048 (NFS/CIFS/AFP) 1024 (FTP) Max. Number of Connections Web-based EonOne management software User account management Integration with Microsoft Active Directory (AD) and Linux LDAP Storage Resource Management to User account management (Group management - Folder management) Integration with Microsoft Active Directory (AD) and Linux LDAP Storage Resource Management to User account management (Group management - Folder management) Integration with Microsoft Active Directory (AD) and Linux LDAP Storage Resource Management to Group management - Folder management - Folder encryption with AES wailability and Reliability Immutable object storage (Hot-swappable hardware modules) Immutable object storage (Hot-swappable hardware modules) <td< td=""><td></td><td>Max. Number of Rsync Jobs</td><td colspan="5">1024</td></td<>		Max. Number of Rsync Jobs	1024					
Anagement • Web-based EonOne management software • User account management • Group management • Colder management • Colder encryption with AES • Integration with Microsoft Active Directory (AD) and Linux LDAP • Storage Resource Management to analyze history of resource usage • Multi-factor authentication login mechanism • Field-evel CoS (network traffic control) • SUM-S standard interface for hypervisor management applications wailability and Reliability • Immutable object storage • Hot-swappable hardware modules • Device mapper • Device mapper • Trunk group • Cache safe technology • UPS • WORM (file level only) • SMIB Multichannel ifficiency • Inline compression • Offline deduplication • Offline deduplication iotification • Email • Solver • Backup Server • Docker • Next Could • SMIB Multichannel supported Cloud Services • Encloud Gateway supports integration with the following cloud providers: Armazon S3, Microsoft Azure, Albaba Cloud, OpenStack, Baidu Cloud, Google Cloud, Tencent Cloud, Wasabi Cloud, etc. supported OS Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise, Sun Solaris, MacOS X, VMware, Citrix XenServe ver			64					
Aanagement • User account management • Storage Resource Management to analyze history of resource usage Aanagement • Storage Resource Management to analyze history of resource usage • Folder management • Folder management • Folder management • Storage Resource Management to control) • Folder management • Storage • Folder encryption with AES • SMI-S standard interface for hypervisor management applications • Wallshability and Reliability • Immutable object storage • Cache safe technology • Hot-swappable hardware modules • UPS • Hot-swappable hardware modules • UPS • Multi-factor authentication • UPS • Multi-factor authentication • UPS • Management • North (file level only) • Antivirus • SNMP traps • Antivirus • Project Server • Docker • Docker • Docker • Systog Server • Docker • Systog Server • Note: For complete information about supported cloud providers: Amanagement • Note: For complete information about supported cloud providers, please refer to EonCloud Gateway webpage https://www.infortrend.com/global/solutions/eoncloud Amanagement •		Max. Number of Connections	2048 (NFS/CIFS/AFP) 1024 (FTP)					
wailability and Reliability Hot-swappable hardware modules Device mapper WORM (file level only) Trunk group SMB Multichannel SMB Multichannel Inline compression Offline deduplication Inline compression Offline deduplication Email SNMP traps Anti-virus Backup Server Docker Docker LDAP Server VPN Server VPN Server VPN Server VPN Server Nextcloud Reazon 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 Supported OS Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise, Sun Solaris, MacOS X, VMware, Citrix XenServer VenStack Cinder Supported OS Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise, Sun Solaris, MacOS X, VMware, Citrix XenServer Supported OS Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise, Sun Solaris, MacOS X, VMware, Citrix XenServer Venstack Cinder Supported OS Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise, Sun Solaris, MacOS X, VMware, Citrix XenServer Venstack Cinder Supported OS Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise, Sun Solaris, MacOS X, VMware, Citrix XenServer Venst	Management		 User account management Group management Folder management - folder access control Quota management 	 Storage Resource Management to analyze history of resource usage Multi-factor authentication login mechanism File-level QoS (network traffic control) 				
Autification • Email • SNMP traps Autification • Anti-virus • Project Server • backup Server • Project Server • Docker • Syslog Server • LDAP Server • VPN Server • Mail Server • Web Server • Nextcloud 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 Supported OS Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise, Sun Solaris, MacOS X, VMware, Citrix XenServer	Availability and Reliability		 Hot-swappable hardware modules Device mapper Antivirus 	• UPS • WORM (file level only)				
Anti-virus Project Server Backup Server Proxy Server Docker Syslog Server Docker Syslog Server Nextcloud 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 Supported OS Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise, Sun Solaris, MacOS X, VMware, Citrix XenServer	Efficiency		Inline compression	Offline deduplication				
Applications Backup Server Docker Docker Syslog Server VPN Server VPN Server VPN Server Web Server Web Server Web 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 Supported OS Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise, Sun Solaris, MacOS X, VMware, Citrix XenServer	Notification		• Email	SNMP traps				
Supported Cloud Services 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 Supported OS Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise, Sun Solaris, MacOS X, VMware, Citrix XenServer	Applications		 Backup Server Docker LDAP Server Mail Server 	 Proxy Server Syslog Server VPN Server 				
Supported OS Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise, Sun Solaris, MacOS X, VMware, Citrix XenServer, OpenStack Cinder	Supported C	Cloud Services	Amazon S3, Microsoft Azure, Alibaba Cloud, OpenStack, Baidu Cloud, Google Cloud, Tencent Cloud, Wasabi Cloud, etc.					
Note: For supported OS versions, please refer to the Compatibility Guide.	Supported OS		Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise, Sun Solaris, MacOS X, VMware, Citrix XenServer, OpenStack Cinder					
			Note: For supported OS versions, please refer to	o the Compatibility Guide.				

DATA SERVICES

Thin Provisi	oning	Block Level	Default	"Just-in-time" capacity all	ocation optimizes storage utilization	on and eliminates allocated but unused storage space.	
	Snapshot	File Level	Optional	Snapshot images per folo	r folder: 1024		
		Block Level	Default	Snapshot images per sou	urce volume: 64	Snapshot images per system: 128	
Local Replication			Optional	Snapshot images per sou	urce volume: 256	Snapshot images per system: 4096	
	Volume Copy/Mirror		Default	Replication pairs per sou	rce volume: 4	Replication pairs per system: 16	
		y/wiirtoi	Optional	Replication pairs per sou	rce volume: 8	Replication pairs per system: 256	
		File Level	Default	Support Rsync with 128-	bit SSH encryption		
Remote Replication				Replication pairs per sou	rce volume: 8	Replication pairs per system: 64	
Replication		Block Level	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 S	Storage Tierin	g	Optional	Storage tiers per pool: 4			
		File Laurel	Default	Appliances per cluster: 1			
Scale-out		File Level	Optional	Appliances per cluster: 4			
	Block Level		Default	Appliances per cluster: 4			
HA Service			Optional	Delivering continuous availability and eliminating downtime for mission-critical workloads that require non-stop operations			
		Block Level	Optional	Note: HA service is available on GS 3000/4000 G3 only.			
		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			
				Recommended DIMM capacity per controller for SSD Cache pool for GS 1000 Gen2 SS 2000			
				DRAM : 8GB	Max SSD cache pool size : 0.4TB		
				DRAM : 16GB	Max SSD cache pool size : 0.6TB		
			Optional	DRAM : 32GB	Max SSD cache pool size : 1TB		
				DRAM : 64GB	Max SSD cache pool size : 1.6TB		
SSD Cache		Dis da Lavad		DRAM : 128GB and up	Max SSD cache pool size : 3.2	ГВ	
		Block Level		Recommended DIMM capacity per controller for SSD Cache pool for GS 3000/4000 G3			
				DRAM : 8GB	Max SSD cache pool size : 0.5	ГВ	
				DRAM : 12GB	Max SSD cache pool size : 0.7	БТВ	
				DRAM : 16GB	Max SSD cache pool size : 1TB		
				DRAM : 24GB	Max SSD cache pool size : 1.5	ГВ	
				DRAM : 32GB	Max SSD cache pool size : 2TE	3	
				DRAM : 48GB	Max SSD cache pool size : 3TB		
				DRAM : 64GB and up Max SSD cache pool size : 4TB			

WARRANTY AND SERVICE				
Service and Support	Standard Service	3-year limited hardware warranty and 8 x 5 phone, web, and email support (batteries are covered under warranty for 2 years)		
	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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