OInfortrend



EonStor GSe SAS HDD Storage Scale-out Unified Storage for SMB

Highlights

High Performance and Scalability

- Up to 600K IOPS
- Up to 8GB/s read and 5.8GB/s write in throughput
- Scale-out and scale-up expansions to easily increase performance and capacity

High-Density Design

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

Flexible Interface Options

Modular host boards with FC, SAS, and iSCSI protocols for host connection

Applications & Data Protection

- Various built-in applications, including Proxy server, LDAP server, Syslog server, and VPN server
- Integrated full-featured RAID protection
- Rich backup functions, including snapshot, volume copy, volume mirror, rsync, and IDR
- Crucial security features against ransomware attacks, including immutable object storage, WORM, and multi-factor authentication

Introduction

EonStor GSe SAS HDD storage, available from entry-level to high-end models, is a unified storage series that incorporates full-featured, enterprise-grade data services with RAID protection to deliver high performance and scalability without sacrificing affordability. With the feature of cloud integration, EonStor GSe allows SMBs and SMEs to integrate and expand their local SAN/NAS storage architecture into cloud services in an easy and cost-effectively manner.

Unified Storage System

Designed for SMBs, EonStor GSe allows companies to store and manage their valuable data at a reduced total cost of ownership by integrating NAS and SAN into one unified storage system.

Based on improved hardware and firmware, this series supports file-level protocols, including CIFS, NFS, AFP, and FTP, as well as block-level protocols, such as Fiber Channel, iSCSI, and SAS. By integrating these protocols and harnessing the power of Intel[®] multi-core CPU, EonStor GSe delivers not only outstanding flexibility but also incredible performance.

Moreover, EonStor GSe supports hybrid storage, and with its SSD cache and automated storage tiering, the storage system can automatically leverage the high performance I/ Os of SSDs for frequently accessed data, and use HDDs for massive data archive, thereby increasing the system performance and ROI.

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 GSe unit is no longer able to provide enough performance or capacity, you can simply add more GSe appliances to form a cluster—with a maximum of 4 GS units.

Through scale-up expansion, each GSe unit can be connected to JBOD expansion enclosures to add up to 896 drives. Together with scale-out expansion, GSe supports more than 3000 drives with over 50PB storage capacity.

Availability & Reliability

- Dual power supplies and cooling fans to ensure continuous uptime and service stability
- Super capacitor and a flash module to ensure data safety during a power outage
- HA service to ensure service continuity during site failures or system maintenance

Easy Maintenance

 Modular hardware design to simplify maintenance and ensure uninterrupted operations

Intuitive GUI

 EonOne management interface provides a single control center for system management and resources monitoring.

Comprehensive Business Applications & Data Protection

Integration with Microsoft AD and LDAP

EonStor GSe provides easy integration with existing business network environments through Microsoft[®] Active Directory (AD) and LDAP directory services, which allows system administrators to easily configure shared folder access permission by user account through ACL. Furthermore, EonStor GSe has perfectly integrated the LDAP Server function into the system, so customers do not need to construct additional LDAP Servers.

Comprehensive Data Services

EonStor GSe comes with inline compression and offline deduplication, which reduces the overall storage capacity required and thus saves costs.

To minimize the risk of data loss from unexpected disk failures, natural disasters, or power outages, EonStor GSe supports various backup features, such as Intelligent Drive Recovery (IDR), snapshot, local/remote replication, and file-level rsync.

EonStor GSe also incorporates crucial safety features to safeguard data from ransomware attacks. With immutable object storage, 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. To provide further security for administrative account access, multi-factor authentication (MFA) is also supported to reduce the risk of malicious attacks following password theft.

Complete Cloud Features

Integrated with the Intelligent Cloud Gateway Engine, EonStor GSe supports a wide range of both private and public cloud services, including Amazon S3 and Microsoft Azure, and offers various cloud features such as cloud tiering, cloud cache, and cloud backup to make the most out of your cloud storage. Combining local and cloud storage, these features allocate data in an automatic and optimal manner while saving setup and maintenance costs.

Availability & Reliability

EonStor GSe is equipped with dual power supplies and cooling fans to help ensure high data availability. The Cache Backup Module (CBM), which consists of a super capacitor and a flash module, prevents data loss during a power interruption or outage.

In addition, EonStor GSe offers HA service to deliver continuous availability with a nearzero RTO (recovery time objective) and a zero RPO (recovery point objective). With two storage devices deployed at near sites, the HA service provides a block-level active-active storage solution for applications that have an extremely low tolerance for downtime. Featuring synchronous remote replication, auto-failover and failback, 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.

Easy Maintenance

EonStor GSe features a modular hardware design, including hot-swappable fans and power supply units, to simplify maintenance and ensure continuous operations.

Product Series		GSe 3000 G3	GSe 4000 G3		
	2U 12-bay	GSe 3012 G3	GSe 4012 G3		
Form Factor	3U 16-bay	GSe 3016 G3	GSe 4016 G3		
	4U 24-bay	GSe 3024 G3	GSe 4024 G3		
	4U 40-bay	GSe 3040 t G3 GSe 3040 th G3	GSe 4040 G3 GSe 4040 H G3		
	4U 60-bay	GSe 3060 t G3 GSe 3060 th G3	GSe 4060 G3 GSe 4060 H G3		
		Note: T: High performance H: U.2 SSD cache			
ontroller		Single			
Cache Backup Techno	blogy (Optional)	Super capacitor +	flash module		
PU		Intel [®] Xeon [®] D 4-Core	Intel [®] Xeon [®] D 6-Core		
ache Memory		2U 12-bay/3U 16-bay/4U 24-bay: Default E 4U 40-bay/60-bay: Default DDR4 12GB Exp			
upported Drives		2.5" SAS and SATA SSD 2.5" 12Gb/s SAS 10,000 or 15,000 RPM HDD 3.5" 12Gb/s NL-SAS 7,200 RPM HDD 3.5" 6Gb/s SATA 7,200 RPM HDD Bundled 2.5" U.2 NVMe SSD for U.2 SSD cache models			
Any Drive Number		Note: For the latest compatibility details, refer to our official website for the latest Compatibility Matrix.			
lax. Drive Number	Casha Daol	896			
Max. Block-level SSD Cache Pool		4TB			
nboard 25GbE Ports	× 7	2	-		
ax. Host Board Slots	s ds (12Gb/s SAS x 2)	2			
lost Board Options		16Gb/s FC x 4 32Gb/s FC x 2 32Gb/s FC x 4 10GbE (SFP+) x 2 25GbE (SFP28) x 2 12Gb/s SAS x 2			
Max. 16Gb/s FC Ports	3	8			
ax. 32Gb/s FC Ports	3	8			
lax. 10GbE Ports (SF	FP+)	4			
ax. 25GbE Ports (SF	FP28)	6	4		
ax. 12Gb/s SAS Por	ts	4			
xpansion Enclosures	s (JBODs)	2U 12-bay: JB 3012A, JB 3016A, JB 3060L 3U 16-bay: JB 3016A, JB 3060L 4U 24-bay/40-bay/60-bay: JB 3060L			
Dimensions (Without Chassis Ears and Protrusions) (W x H x D)		2U 12-bay: 449 x 88 x 509.8 mm 3U 16-bay: 449 x 130 x 509.8 mm 4U 24-bay: 449 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			
Package Dimensions (W x H x D)		2U 12-bay: 780 x 379 x 588 mm 3U 16-bay: 780 x 423 x 588 mm 4U 24-bay: 780 x 465 x 588 mm 4U 40-bay: 620 x 460 x 1032 mm 4U 60-bay: 620 x 460 x 1140 mm			
Power Supply Unit	Power Supplies (Redundant and Hot-swappable)	2U 12-bay/3U 16-bay/4U 24-bay: 530W x 2 (80 PLUS Bronze, 80 PLUS Gold for EU) 4U 40-bay/60-bay: 1200W x 2 (80 PLUS Platinum)			
	AC Voltage	2U 12-bay/3U 16-bay/4U 24-bay: 100VAC @10A to 240VAC @5A 4U 40-bay/60-bay: 100-127VAC @10A, 200-240VAC @8A			
	Frequency	50-60 Hz			
		Electromagnetic Compati			

Product Series		GSe 1000 Gen2	GSe 2000	GSe 3000 Gen2	GSe 4000 Gen2			
	2U 12-bay	GSe 1012 2	GSe 2012 / GSe 2012 T	-	-			
Faura Fautan	3U 16-bay	GSe 1016 2	GSe 2016 / GSe 2016 T	GSe 3016 2	GSe 4016 2			
orm Factor	4U 24-bay	-	-	GSe 3024 2	GSe 4024 2			
		Note: 2: Gen2 T: High performance						
Controller		Single						
Cache Backup Techno	logy (Optional)	Super capacitor + flash module						
CPU		Intel [®] Avoton [®] 4-Core	Intel [®] Pentium [®] 2 or 4-Core	Intel [®] Xeon [®] 4-Core	Intel [®] Xeon [®] 8-Core			
Cache Memory (per s	ystem)	Default DDR3 8GB Expantable up to 16GB	Default DDR4 8GB Expantable up to 64GB	Default DDF Expandable	DR4 8GB le up to 256GB			
Supported Drives		3.5" 6Gb/s SATA 7,200 RPM HDD 2.5" SAS or SATA SSD 2.5" 12Gb/s SAS 10,000 or 15,000 RPM HDD 3.5" 12Gb/s NL-SAS 7,200 RPM HDD						
		Note: For the latest compatibility details, refer to our official website for the latest Compatibility Matrix.						
Max. Drive Number		448		896 (with expansion board)				
Max. Block-level SSD	Cache Pool	0.6TB	1.6TB	4TB	4TB			
Onboard SAS Expansion Port		1	1	2	2			
Onboard 1GbE Ports (RJ-45)	4	4	0	0			
Onboard 10GbE Ports (SFP+)		0	0	4	4			
Max. Host Board Slots		1	2	2	2			
Max. Expansion Boards (12Gb/s SAS x 2)		0	1	1	1			
Host Board Options		16Gb/s FC x 4 32Gb/s FC x 2 1GbE (RJ-45) x 4 10GbE (SFP+) x 2 25GbE (SFP28) x 2 12Gb/s SAS x 2		16Gb/s FC x 4 32Gb/s FC x 2 32Gb/s FC x 4 10GbE (SFP+) x 2 25GbE (SFP28) x 2 12Gb/s SAS x 2				
		Note: For complete information, refer to our official website for the latest Host Board and Memory Guide.						
Max. 16Gb/s FC Ports		4	8	8	8			
Max. 32Gb/s FC Ports		2	4	4	4			
Max. 1GbE Ports		8	12	0	0			
Max. 10GbE Ports (SF	P+)	2	4	8	8			
Max. 25GbE Ports (SF	P28)	2	4	4	4			
Max. 12Gb/s SAS Por	ts	3	3	4	4			
Expansion Enclosures	(JBODs)	JB 3012A, JB 3016A, JB 3024BA, JB 3025BA, JB 3060L JB 3012A, JB 3016A, JB 3025BA, JB 3060L						
Dimensions (Without Chassis Ears and Protrusions) (W ${\rm X}$ H ${\rm X}$ 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						
Package Dimensions W x H x D)		2U 12-bay: 780 x 379 x 588 mm 3U 16-bay: 780 x 423 x 588 mm 4U 24-bay: 780 x 465 x 588 mm						
Power Supply Unit	Power Supplies (Redundant and Hot-swappable)	460W x 2 (80 PLUS Bronze)		530W x 2 (80 PLUS Bronze)				
	AC Voltage	100VAC @8A to 240VAC @4A 100VAC @10A to 240VAC @5A						
	Frequency	50-60 HZ 47-63 HZ		47-63 HZ				
Safety Standard			 Electromagnetic Comp Safety: UL/cUL, BSMI, 					

Nack Logial Dive: were solved and solv	SOFTWARE	SPECIFICATIONS					
No. bit 96.0 x R. 60.0 X R. 50.0 X R. 50.0 X R. 50.0 X R. 50.0 X R K R R R R R R R R R R R R R R R R R	Max. Logical Drive Nur	nber	30				
Mix Profey Mediak and information project data. Mix Profey 99 Mix Profey 99 Mix Natures 99 Kin Statu	Max. Logical Drive Cap	pacity	512TB				
Ana. Pool Survey 99 Max. Pool Number 99 Max. Number Survey 99 Max. Hant Life Margingtone Survey 99 Max. Hant Life Margingtone Survey 96 Max. Restore Survey 979 Max. Restore Su	Stripe Size		16KB, 32KB, 64KB, 128KB, 256KB, 512KB, or 1024KB per logical drive				
Ake, Review Humber - 9 Max, Volume Size	Write Policy		Write-Back or write-through per logical drive.				
Kvidune Size P6 Max Volume Terms 684 Max Volume Terms 686 Max Heat LUM Nameer 686 Max Reserved Tay Number 680 Reserved Tay Number 680 Stop Out Care 680 (Max Stop Out Care Care Care Care Care Care Care Care	Max. Pool Size		2РВ				
Kx Volume Number 1044 Max. Koht LUM Magei / tar Host-LUM Connection 366 Max. Koht Canneston 138 Max. Koht Canneston 138 Kx Koht Canneston 138 RAD Optimizer 600 0. RAD 1. RAD 3. RAD 3. RAD 0. RAD 10. RAD 30. RAD 00. RAD 00	Max. Pool Number		30				
Ans. Host LUM Mapping humber 4969 Max. Host Cum Hander (ger Host LUM Connection) 560 Max. Host Connection (ger Host LUM Connection) 160 Max. Host Connection (ger Host LUM Connection) 180 RAD C. RAD 1, RAD 3, RAD 5, RAD 6, RAD 10, RAD 30, RAD 60, RAD 50, RAD 5	Max. Volume Size		2PB				
As Reserved Figure Fi	Max. Volume Number		1024				
Ass. ISSEI Initiators 416 Max. IssEI Corrent 188 RND Options FND Options Bayerine Protocol FND Options Supporter Protocol FND Options Bayerine Protocol FND SSD SAS Opticat Level FND SSD SAS Opticat Level FND SSD SAS Max. File System Size FPD SSD SAS Opticat Level FND SSD SAS Max. File System Size FPD SSD SAS Max. File System Size FPD SSD SAS Max. File System Size FPD SSD SAS Max. Number of Liser Accounts 70000 Max. Number of Liser Accounts 70000 Max. Number of Sizer FDD SSD SAS 70000 Max. Number of Sizer FDD SSD SAS 70000 Max. Number of Sizer FDD SSD SAS 70000 Max. Number of Concurrent Rayor Processes 70000 Management Sizer FSD SSD SSD SSD SSD SSD SSD SSD SSD SSD	Max. Host LUN Mappir	ng Number	4096				
Kess Host Connection 128 RAD Options RAD 0, RAD 0	Max. Reserved Tag Nu	mber (per Host-LUN Connection)	256				
RAID Options RAID 0, RAID 1, RAID 3, RAID 5, RAID 6, RAID 10, RAID 30, RAID 50, R	Max. iSCSI Initiators		416				
Fiel Level OFSISMB (Version 2.03.0), MFS (Version 2.03.4), AFP (Version 3.1.12), FTP/NP (vsrtp 2.3.4), WebDAV (http d package 2.4.6) Supported Protocol Block Level CE, ISC SI, SA Max. Number of Lavel 2P9 Max. Number of User Source 2000 Max. Number of User Groups 512 Max. Number of Concurrent Rayno Processes 64 Max. Number of Concurrent Rayno Processes 64 Max. Number of Concurrent Rayno Processes 64 Max. Number of Concurrent Rayno Processes • Multi-Status authentication login mechanism • Folder me	Max. Host Connection	Number (per FC)	128				
Supported Protocol Block Level FC, ISCSI, SAS Object Lovel RSTMU API Max Rile System Size 2PB Max Number of Lovel Construction 20000 Max Number of Lovel Construction 2048 (NFS/CIFS/FTP) 125 (AFP) Max Number of Shared Folde 2048 (NFS/CIFS/FTP) 125 (AFP) Max Number of Connection 2048 (NFS/CIFS/FTP) 126 (TTP) Max Number of Connection 2048 (NFS/CIFS/FTP) 126 (TTP) Supported Tommer of Support and Support	RAID Options		RAID 0, RAID 1, RAID 3, RAID 5, RAID 6, RAID 10, RAID 30, RAID 50, RAID 60				
Image Opject Lawel RESTMAPP Max. File System Size 2P8 Max. File System Size 0000 Max. Number of User Account 512 Max. Number of Stared Folder 0446 (NFS/GFS/FFP) 1255 (AFP) Max. Number of Stared Folder 0446 (NFS/GFS/FFP) 1255 (AFP) Max. Number of Stared Folder 0446 (NFS/GFS/FFP) 1255 (AFP) Max. Number of Connections 64 Max. Number of Connections 0448 (NFS/GFS/FFP) 1024 (FTP) Max. Number of Connections 0448 (NFS/GFS/FFP) 1024 (FTP) Massagement Subsagement		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. File System Size 2PB Max. Number of User Accounts 0000 Max. Number of User Accounts 512 Max. Number of User Accounts 2048 (NFS/CIFS/FTP) [255 (AFP) Max. Number of Shared Folde 2048 (NFS/CIFS/FTP) [255 (AFP) Max. Number of Concurrent Rayne Processes 64 Max. Number of Concurrent Rayne Processes 544 (NFS/CIFS/FTP) [255 (AFP) Max. Number of Concurrent Rayne Processes 64 Max. Number of Concurrent Rayne Processes 544 (NFS/CIFS/AFP) [1024 (FTP) Management 5104 (NFS/CIFS/AFP) [1024 (FTP) Management 5104 (NFS/CIFS/AFP) [1024 (FTP) Max. Sumber of Concurrent Rayne Processes 544 (NFS/CIFS/AFP) [1024 (FTP) Management 5104 (NFS/CIFS/AFP) [1024 (FTP) Management 5104 (NFS/CIFS/AFP) [1024 (FTP) Subara count management - folder access control 5104 (NFS/CIFS/AFP) [1024 (FTP) Management 5104 (NFS/CIFS/AFP) [1024 (FTP) Subara count management - folder access control 5104 (NFS/CIFS/AFP) [1024 (FTP) Max. Subara count in the compression - 1014 (NFV access text) in the compression -	Supported Protocols	Block Level	FC, ISCSI, SAS				
Max. Number of User Accound 3000 Max. Number of User Groups 32 Max. Number of Share Aford 324 (NFS/CFS/FTP 255 / AFP) Max. Number of Share Aford 324 (NFS/CFS/FTP 255 / AFP) Max. Number of Share Aford 324 (NFS/CFS/FTP 255 / AFP) Max. Number of Concurred 64 Max. Number of Concurred 64 Max. Number of Concurred SVMLF-factor authentication login mechanism Number-Sase of confore management soluter soluter burget on With Factor authentication login mechanism information With Factor authentication login mechanism soluter access control Soluter management soluter access control Soluter access c		Object Level	RESTful API				
Have Number of User Group 512 Max. Number of Shared Field 2648 (NFS/CFS/FTP) 255 (AFP) Max. Number of Shared Field 1024 Max. Number of Concurrent Rsynce Processes 64 Management Vield (NFS/CFS/FTP) 1024 (FTP) Management Vield-Sactor authentication logiment software User account management - Folder		Max. File System Size	2РВ				
He Level Max. Number of Shared Folder 2048 (NFS/GFS/FTP) 255 (AFP) Max. Number of Shared Folder 1024 Max. Number of Concurrent Rsynce Processes 64 Max. Number of Connection 2048 (NFS/GFS/AFP) 1024 (FTP) Management		Max. Number of User Accounts	20000				
He Level Max. Number of Rsync. Jobs 1024 Max. Number of Concurrent Rsync Processes 64 Max. Number of Connections 2048 (NE/CIFS/AFP) 1024 (FTP) Management • Multi-factor authentication login mechanism · Usb-based Econom management econom consignment · Usb-based Econom management · Older access control • Outa management · Cache safe technology · User account management · Folder management · Older access control Availability and Reliability • Immutable object storage · Usb-based file explores • Cache safe technology · UFS · VORM (file level only) · UFS · VORM (file level only) · UFS · VORM (file level only) · SMB Multichannel Efficiency • Email · SNMP traps Applications • Email · SNMP traps Applications • Web-based file explorer · VORS erver 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, Waasbi Cloud, etc. Supported OS Microsoft Azure, Alibaba Cloud, OpenStack, Baidu		Max. Number of User Groups	512				
Max. Number of Concurrent Rsyne Processes 64 Max. Number of Connections 2048 (NFS/CIFS/AFP) 1024 (FTP) Maraagement Subtraction anagement software -Group management - folder access control -Quota management -Folder anagement - folder access control Management -Wab-based Econone management - folder access control -Storage Resource Management - folder access control Availability and Reliability -Immutable object storage - Bovice mapper - Antivirus -Cache safe technology - Hot-swappable hardware modules - Bovice mapper - Antivirus -Cache safe technology - Hot-swappable hardware modules - Bovice mapper - Antivirus -Cache safe technology - Hot-swappable hardware modules - Bovice mapper - Antivirus -Cache safe technology - Hot-swappable hardware modules - Bovice mapper - Antivirus -Cache safe technology - Hot-swappable hardware modules - Bovice mapper - Antivirus -Cache safe technology - Hot-swappable hardware modules - Bovice mapper - Notification - Cache safe technology - Hot-swappable hardware modules - Bovice mapper - Dovice mapper - Provy server - Cache safe technology - Hot-swapper - Bovice mapper - Bovice mapper - Dovice mapper - Provy server - Cache safe technology - Hot-swapper - Bovice mapper - Dovice mapper - Provy server - Cache safe technology - Hot-swapper - Dovice mapper - Dovice mapper	File Level	Max. Number of Shared Folder	2048 (NFS/CIFS/FTP) 255 (AFP)				
Rsync Processes P4 Max. Number of Connections 2048 (NFS/CIFS/AFP) 1024 (FTP) Management ·Mult-factor authentication login mechanism ·Web-based EonOne management software ·Iser account management software ·Iser account management - folder encryption with AES ·Iser account management ·Folder encryption with AES ·Iser account management ·Oracle safe technology ·UPS ·WORM (file level only) ·SMB Multichannel ·UPS ·WORM (file level only) ·SMB Mult		Max. Number of Rsync Jobs	1024				
Management • Muti-factor authentication login mechanism • Web-based EorOne management software • User account management software • Folder management • Folder management - folder access control • Quota management • Folder encryption with AES • Integration with MErcsoft Active Directory (AD) and Linux LDAP • Storage Resource Management to analyze history of resource usage Availability and Reliability • Immutable object storage • Hot-swappable hardware modules • UPS • UPS • UPS • VOPM (file level only) • SMB Multichannel Efficiency • Inline compression • Offline deduplication Notification • Email • Strage Resource Management • Offline deduplication Applications • Email • SNMP traps Applications • Web-based file explorer • Proxy server • Proxy server • Proxy server • Proxy server • Proxy server • Proxy server • Docker • LDAP server • Docker Supported Cloud Services EonCloud Gateway supports integration with the following cloud providers: Amazon S3, Microsoft Azure, Alibaba Cloud, OpenStack, Baidu Cloud, Google Cloud, Tencert Cloud, Wasabi Cloud, etc. Supported OS Microsoft Windows Server, Red Hat Enterprise Linux, Mac OS X, VMware.			64				
Management • Web-based EonOne management software • Folder encryption with AES • User account management • Storage Resource Management to analyze history of resource usage • Folder management • Inmutable object storage • Cache safe technology • UPS • UPS • Availability and Reliability • Inmutable object storage • Cache safe technology • Hot-swappable hardware modules • UPS • Antivirus • UPS • Trunk group • UPS • Office douplication • UPS • Office douplication • UPS • Office douplication • Office douplication Notification • Email • SNMP traps Applications • Web-based file explorer • LDAP server • Proxy server • VPN server • Docker Supported Cloud Services EonCloud Gateway supports integration with the following cloud providers: Amazon S3, Microsoft Azure, Alibaba Cloud, OpenStack, Baidu Note: For complete information about cloud provides support, please refer to EonCloud Gateway webpage https://www.infortrend.com/global/ solutions/eoncloud Microsoft Windows Server, Red Hat Enterprise Linux, Mac OS X, VMware.		Max. Number of Connections	2048 (NFS/CIFS/AFP) 1024 (FTP)				
Availability and Reliability +Hot-swappable hardware modules • UPS • VORM (file level only) • WORM (file level only) • Antivirus • Antivirus • Trunk group • SMB Multichannel Efficiency • Inline compression • Offline deduplication • Email Notification • Email Applications • Web-based file explorer • Syslog server • VPN server • Docker Supported Cloud Services EonCloud Gateway supports integration with the following cloud providers: Amazon S3, Microsoft Azure, Alibaba Cloud, OpenStack, Baidu Note: For complete information about cloud providers support, please refer to EonCloud Gateway webpage https://www.infortrend.com/global/ Supported OS Microsoft Windows Server, Red Hat Enterprise Linux, Mac OS X, VMware.	Management		 Web-based EonOne management software User account management Group management Folder encryption with AES Integration with Microsoft Active Directory (AD) and Linux LDAP Storage Resource Management to analyze history of resource usage 				
Enderindy • Offline deduplication Notification • Email • SNMP traps Applications • Web-based file explorer • Syslog server • LDAP server Proxy server • VPN server • Docker Supported Cloud Services EonCloud Gateway supports integration with the following cloud providers: Amazon S3, Microsoft Azure, Alibaba Cloud, OpenStack, Baidu Note: For complete information about cloud provides support, please refer to EonCloud Gateway webpage https://www.infortrend.com/global/ Supported OS Microsoft Windows Server, Red Hat Enterprise Linux, Mac OS X, VMware.	Availability and Reliability		Hot-swappable hardware modules UPS WORM (file level only) Antivirus SMB Multichannel				
Applications • Web-based file explorer • Syslog server • LDAP server • VPN server • VPN server • Docker 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 cloud provides support, please refer to EonCloud Gateway webpage https://www.infortrend.com/global/ Supported OS Microsoft Windows Server, Red Hat Enterprise Linux, Mac OS X, VMware.	Efficiency						
Applicauons • Proxy server • VPN server • Docker 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 cloud provides support, please refer to EonCloud Gateway webpage https://www.infortrend.com/global/ solutions/eoncloud Supported OS Microsoft Windows Server, Red Hat Enterprise Linux, Mac OS X, VMware.	Notification						
Supported Cloud Services Cloud, Google Cloud, Tencent Cloud, Wasabi Cloud, etc. Note: For complete information about cloud provides support, please refer to EonCloud Gateway webpage https://www.infortrend.com/global/solutions/eoncloud Supported OS Microsoft Windows Server, Red Hat Enterprise Linux, Mac OS X, VMware.	Applications						
Note: For complete information about cloud provides support, please refer to EonCloud Gateway webpage https://www.infortrend.com/global/ solutions/eoncloud Microsoft Windows Server, Red Hat Enterprise Linux, Mac OS X, VMware.	Supported Cloud Servi	C0C					
Supported OS	Supported Cloud Services						
			Microsoft Windows Server, Red Hat Enterprise Linux, Mac OS X, VMware.				
	Supported US		Note: For the latest compatibility details, refer to our official website for the latest Compatibility Matrix.				

Thin Provisionii	ıg	Block level	Default	"Just-in-time" capacity allocation optimizes s	torage utilization and eliminates allocated but unused storage space.		
File Snapshot		Optional	Snapshot images per folder: 1024				
	Snapshot		Default	Snapshot images per source volume: 64	Snapshot images per pool: 128		
Local Replication		Block level	Optional	Snapshot images per source volume: 256	Snapshot images per pool: 4096		
			Default	Replication pairs per source volume: 4	Replication pairs per system: 16		
	Volume Copy/Mirror		Optional	Replication pairs per source volume: 8	Replication pairs per system: 256		
		File level	Default	Rsync with 128-bit SSH encryption	sync with 128-bit SSH encryption		
				Replication pairs per source volume: 8	Replication pairs per system: 64		
Remote Replication		Block level	Optional	 Note: 1. The maximum number of replication pairs per source volume is 8, whether they are remote asynchronous pairs, remote synchronous pairs, or local volume pairs. 2. 16Gb FC x 4, 32Gb FC x 2, and 32Gb FC x 4 host boards do not support Remote Replication. 			
Automated Stor	age Tiering		Optional	Storage tiers per pool: 4			
Scale-out		File level	Default	Appliances per cluster: 1			
		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			
TIA SEIVICE		Block level	Ομιοπαι	Note: HA Service is available on GSe 3000 Gen2/G3 and GSe 4000 Gen2/G3 only.			
		File level	Default	Accelerating file operations and data access performance for both read and write Max. SSD number per controller: 8			
				Accelerating data access in random read-intensive environments (e.g. OLTP) Max. SSD number per controller: 4			
				Recommended DIMM capacity per controller for SSD Cache pool for GSe 1000 Gen2, GSe 2000			
				DRAM: 8GB	Vlax SSD Cache Pool Size: 0.4TB		
				DRAM: 16GB	Vax SSD Cache Pool Size: 0.6TB		
SSD Cache				DRAM: 32GB	Max SSD Cache Pool Size: 1TB		
		Block level	Default	DRAM: 64GB Max SSD Cache Pool Size: 1.6TB			
				Recommended DIMM capacity for SSD Cache pool for GSe 3000/4000 Gen2 / G3			
				DRAM: 8GB	Max SSD Cache Pool Size: 0.5TB		
				DRAM: 16GB	Max SSD Cache Pool Size: 1TB		
				DRAM: 32GB Max SSD Cache Pool Size: 2TB			
				DRAM: 64GB and up	Max SSD Cache Pool Size: 4TB		

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: Standard service can be extended 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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