HIGHLIGHTS

UNIFIED STORAGE

- Consolidate SAN, NAS and cloud in a single system to enjoy powerful storage features and simplify deployment and management

EFFICIENCY

- Integrated cloud based storage reduces the cost of deploying applications from the cloud
- EonStor GS family makes efficient use of available bandwidth and greatly speeds up data extend when uploading data to the cloud with its data reduction technology
- With various built-in services including proxy, LDAP, syslog and VPN server to assist enterprises simplify their IT environment deployment.

EXCEPTIONAL COST PERFORMANCE

- High Block/file level Performance, it delivers up to 700K IOPS, 23,000MB/s block and 17,000MB/s CIFS bandwidth.
- Future-proof expansion solution offers ample data capacity of up to 1792 drives.
- Comprehensive data services, including SSD Cache and automated storage tiering improve performance and speed up data access.
- Support for all-flash and hybrid configurations provides flexibility of choice to meet your needs.
- Select from a wide range of product series and multiple host options.

The volume of digital data currently being produced is growing at unprecedented rates, in big part due to our increasing demand for unstructured data types such as files, images and videos, which push the boundaries of storage capacity and performance. Because of this, many organizations are making cloud storage, with its cost-effective flexibility and infinite scalability, an integral part of their strategy. Now more than ever, choosing a local storage solution that can easily integrate with cloud services is a must.

EonStor GS family is a unified storage solution that incorporates remote cloud storage into local applications to offer the best of both worlds – unlimited cloud storage and high performance local storage – as well as automatic data lifecycle management, to allow SMBs and SMEs running local SAN/NAS applications to easily and cost-effectively integrate and expand their storage architecture into cloud services.

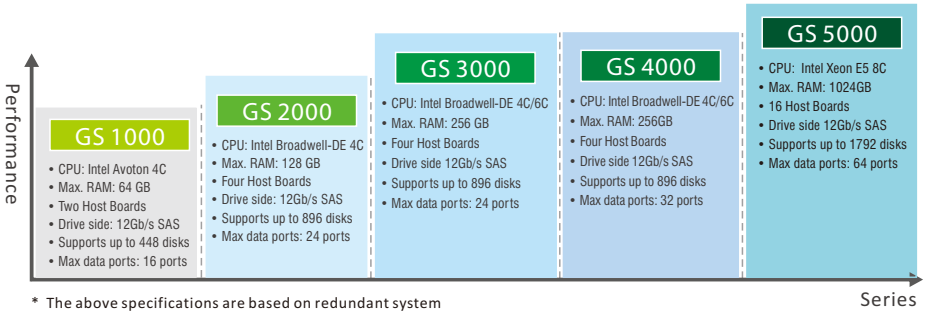
Powerful All-around High Performance & Efficiency

Based on much improved hardware and firmware, EonStor GS family can handle file level protocols including CIFS/SMB, NFS, AFP and FTP; block level protocols such as Fiber Channel, iSCSI, SAS and InfiniBand.

By integrating all of these protocols and harnessing the power of Intel's multicore CPU, EonStor GS family delivers not only outstanding flexibility but also incredible performance in two configurations: all-flash and hybrid. As an all-flash system, it delivers up to 700K IOPS, 23,000MB/s block and 17,000MB/s CIFS bandwidth. Moreover, by offering hybrid features such as SSD Cache, protocol translation between local NAS/SAN and cloud storage services, and automated storage tiering, EonStor GS family guarantees exceptional performance at every level of operation.

This great performance and efficiency can also be found in our cloud storage integration thanks to deduplication and compression features, which ensure the efficient use of bandwidth to effectively extend data to the cloud and lower overall costs.

GS Portfolio



* The above specifications are based on redundant system

CLOUD READY

- The EonStor GS can integrate with cloud storage, and data can be optimally allocated between EonStor GS and Cloud through our smart algorithms, so users can enjoy the best performance and the safest storage.
- EonStor GS offers comprehensive cloud integration functions for users to choose from: Cloud Tiering, Cloud Cache and Cloud Backup.
- Support for private and public cloud services enables users to choose the option that best suits their budget or data security requirements

AVAILABILITY & RELIABILITY

- SMB 3.0 failover and multipathing support .
- Dual controllers and non-single-point-of-failure hardware design ensure system continuity in case of faults.
- Cache protection with Super capacitor and Flash to ensure data safety
- IDR support ensures all hard drives are healthy to prevent from rebuild

DATA PROTECTION & SECURITY

- Whether inactive or mid transfer, data is always encrypted to ensure full protection from malicious attacks

SIMPLICITY

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

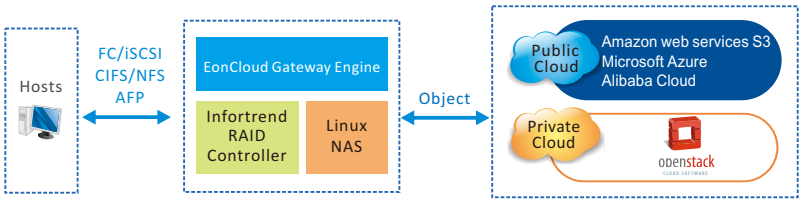
SYMMETRIC ACTIVE-ACTIVE CONTROLLERS

- Symmetric active-active controllers
- Automatically reconnected I/O during path failure

Infinite Storage Capacity on Cloud

One of the key benefits of cloud storage solutions is their unlimited scalability and flexible “scale on demand” model, which allows you to expand your storage capacity as needed, without upfront investment, to fit your capacity requirements as they evolve.

By integrating Intelligent EonCloud Gateway Engine and supporting a wide range of both private cloud and public cloud services, including Amazon, Azure, and the EonStor GS offers various cloud functions such as Cloud Tiering, Cloud Cache and Cloud Backup to make the most of cloud's advantages. These functions perfectly combine local and cloud storage, automatically and optimally allocating data, while saving setup and maintenance costs in the process.



Comprehensive Data Protection and Security

As security is of utmost importance when it comes to data storage in the cloud, the EonStor GS family provides AES 256bit Encryption for data-in-flight and data-at-rest, as well as self-encrypting drives (SED) compatibility, ensuring data is always protected from malicious threats. Furthermore, with integrated SSL, links between server and client are also encrypted.

Security threats are by no means the only concern when it comes to safeguarding data. Unexpected disk failures, natural disasters and power outages all up the risk of data loss. EonStor GS family ensures this risk is minimal with its integrated backup functions such as Intelligent Drive Recovery (IDR), snapshot, local replication, remote replication and file-level rsync.

The system supports built-in SMB 3.0 failover and multipathing to handle failures. Also, designed with redundant dual controllers and non-single-point-of-failure hardware components, it ensures business continuity at all times.

Symmetric active-active controllers

EonStor GS supports symmetric active-active controller configuration to minimize administrative effort and boost operation efficiency. Hosts can access the same LUNs simultaneously via both controllers. I/O are more equally distributed across both controllers and all paths, effectively minimizing costly path management time. In the event of a path failure, I/O can automatically continue through the remaining paths with little or no failover.

EonStor GS Family

Specifications (per system)	GS 1000Gen2	GS 2000 GS 2000T[*1]	GS 3000 GS 3000T[*1]	GS 4000 GS 4000T[*1]
Form factor: 2U 12-bay	V	V	V	
Form factor: 2U 24-bay	V	V	V (T model unavailable)	V
Form factor: 2U 25-bay			V	
Form factor: 3U 16-bay	V	V	V	V
Form factor: 4U 24-bay	V	V	V	
Form factor: 4U 60-bay			V	
Controller	Dual-redundant/ Single upgradable to redundant			
Max drives	448	896 (with expansion board)	896 (with expansion board)	896 (with expansion board)
Max SSD cache pool	1.6TB	3.2TB	3.2TB	3.2TB
Cache backup techniques	Super capacitor + Flash module			
Power supply unit: Power supplies	Redundant / hot-swappable: 460W x 2 (80 PLUS Bronze)		(GS 3000/4000) Redundant / hot-swappable: 530W x 2 (80 PLUS Bronze) (GS 3060L) Redundant / hot-swappable: 1200W x 2 (80 PLUS Platinum)	
Power supply unit: AC voltage (with PFC (auto-switching))	100VAC @ 8A to 240VAC @ 4A		(GS 3000/4000) 100VAC @ 10A to 240VAC @ 5A (GS 3060L) 100-127VAC @ 12.47A, 200-240VAC @ 7.08A	
Power supply unit: Frequency	50-60 Hz		47-63 Hz	
	Note: Power is also supplied in redundant mode, allowing full operation with half the resources.			
CPU	2x Intel Avoton (Atom) 4 Core	2x Intel Broadwell-DE (Pentium) GS 2000/GS 2000T: 2 Core/4 Core	2x Intel Broadwell-DE (Xeon) GS 3000/GS 3000T: 4 Core/6 Core	2x Intel Broadwell-DE (Xeon) GS 4000/GS4000T: 4 Core/6 Core
Cache memory	Default DDR3 16GB Up to 32GB or 64GB	Default DDR4 16GB Up to 32GB, 64GB or 128GB	Default DDR4 16GB Up to 32GB, 64GB, 128GB or 256GB	Default DDR4 16GB Up to 32GB, 64GB, 128GB or 256GB
Max. number of host board	2	4	4	4
Onboard SAS expansion ports	2 x 12Gb/s SAS wide ports	2 x 12Gb/s SAS wide ports	4 x 12Gb/s SAS wide ports	4 x 12Gb/s SAS wide ports
Expansion board	0	2	2	2
	Note: The expansion board can only be installed in the HB2 slot and has 2 x 12Gb/s SAS ports only connectable with expansion enclosures.			
Onboard converged ports	0	0	0	16
	Note: GS 4000 onboard converged port supports 4-Port 8 Gb/s FC , 2-port 16Gb/s FC, 4-port 10GbE FCoE and 4-port 10GbE iSCSI.			
Onboard iSCSI ports (10Gb RJ-45)	0	0	4	0
Onboard iSCSI ports (1Gb RJ-45)	8	8	4	0
Host board ports	4 x 16Gb/s FC ports (No Remote Replication support) 4 x 1Gb/s iSCSI ports 2 x 10Gb/s iSCSI ports (SFP+) 2 x 10Gb/s iSCSI ports (RJ-45) 2 x 40Gb/s iSCSI ports (QSFP) 2 x 12Gb/s SAS ports Converged host board: - 4 x 8Gb/s FC ports - 2 x 16Gb/s FC ports - 4 x 10Gb/s iSCSI ports (SFP+)	4 x 16Gb/s FC ports (No Remote Replication support) 4 x 1Gb/s iSCSI ports 2 x 10Gb/s iSCSI ports (SFP+) 2 x 10Gb/s iSCSI ports (RJ-45) 2 x 25Gb/s iSCSI ports (SFP28) 2 x 40Gb/s iSCSI ports (QSFP) 2 x 56Gb/s InfiniBand ports (for Linux only, block level only) 2 x 12Gb/s SAS ports Converged host board: - 4 x 8Gb/s FC ports - 2 x 16Gb/s FC ports - 4 x 10Gb/s FCoE ports - 4 x 10Gb/s iSCSI ports (SFP+)	4 x 16Gb/s FC ports (No Remote Replication support) 4 x 1Gb/s iSCSI ports 2 x 10Gb/s iSCSI ports (SFP+) 2 x 10Gb/s iSCSI ports (RJ-45) 2 x 25Gb/s iSCSI ports (SFP28) 2 x 40Gb/s iSCSI ports (QSFP) 2 x 56Gb/s InfiniBand ports (for Linux only, block level only) 2 x 12Gb/s SAS ports Converged host board: - 4 x 8Gb/s FC ports - 2 x 16Gb/s FC ports - 4 x 10Gb/s FCoE ports - 4 x 10Gb/s iSCSI ports (SFP+)	4 x 16Gb/s FC ports (No Remote Replication support) 4 x 1Gb/s iSCSI ports 2 x 10Gb/s iSCSI ports (SFP+) 2 x 10Gb/s iSCSI ports (RJ-45) 2 x 25Gb/s iSCSI ports (SFP28) 2 x 40Gb/s iSCSI ports (QSFP) 2 x 56Gb/s InfiniBand ports (for Linux only, block level only) 2 x 12Gb/s SAS ports Converged host board: - 4 x 8Gb/s FC ports - 2 x 16Gb/s FC ports - 4 x 10Gb/s FCoE ports - 4 x 10Gb/s iSCSI ports (SFP+)
	Note: 1. The two controllers must have identical slot settings. 2. Fibre channel supports point-to-point and switch mode.			
Host board + onboard ports (max.)	16	24	24	32
Max. 8Gb/s FC ports	8	16	16	32
Max. 16Gb/s FC ports	8	16	16	24
Max. 10 GbE FCoE ports	0	16	16	32
Max. 1 GbE/iSCSI ports	16	24	20	16
Max. 10 GbE/iSCSI (SFP+) ports	8	16	16	32
Max. 10 GbE/iSCSI (RJ45) ports	4	8	12	8
Max. 25 GbE/iSCSI (SFP28) ports	0	8	8	8
Max. 40GbE/iSCSI (QSFP) ports	4	8	8	8
Max. 56Gb/s InfiniBand ports	0	8	8	8
Max. 12Gb/s SAS ports	4	8	8	8
Max. number of logical drives	32			
Max. logical drive capacity	512TB			
Configurable stripe size	16KB, 32KB, 64KB, 128KB, 256KB, 512KB, or 1024KB per logical drive			
Configurable write policy	Write-Back or Write-Through per logical drive. This policy can be modified.			
Max. size of pool	2PB			
Max. number of pools	32			
Max. number of volumes (per pool/ per system)	1024			
Max. number of LUNs mappable	4000			
Max. volume size	2PB			
Number of tags reserved for each Host-LUN connection	Up to 256			
Max iSCSI Initiators (per controller)	832			
Maximum host connection (per FC)	128			
File Level: Max. file system size	2PB			
File Level: Max. number of user accounts	20000			
File Level: Max. number of user groups	512			
File Level: Max. number of folder sharing	2048 (NFS/CIFS/FTP) | 255 (AFP)			
File Level: Max. number of rsync jobs	1024			
File Level: Max. number of rsync concurrent processes	64			
File Level: 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			
RAID options	RAID 0, 1, (1+0), 3, 5, 6, 10, 30, 50, 60			
Protocol support	File Level Protocol: CIFS/ SMB: Version 2.0/3.0, NFS: Version 2/3/4, AFP, FTP, FXP, WebDAV Block Level Protocol: FC, FCoE, iSCSI, SAS, InfiniBand Object Level Protocol: OpenStack Swift			
EonCloud Gateway	Support the integration with following cloud providers: Amazon S3, Microsoft Azure, Alibaba Cloud, OpenStack			
Green design	• 80 PLUS power supplies delivering more than 80% energy efficiency • Intelligent multi-level drive spin-down			
Regulatory	• Electromagnetic Compatibility : CE, BSMI, FCC, KC • Safety : UL, BSMI, CB, EAC			

1. Model name "T" means high performance

Infortrend

PHYSICAL SPECIFICATIONS

EonStor GS Family

Specifications (per system)	GS 5100	GS 5200
Form factor | 4U	V	V
Controller	Dual-redundant	
Max drives	1792	
Max SSD cache pool	3.2TB	
Cache backup techniques	BBU+Flash module	
Power supply unit – Power supplies	Redundant/hot-swappable 1200W x 2 (80 PLUS Platinum)	
Power supply unit – AC voltage (with PFC (auto-switching))	100-127VAC@12.47A, 200-240VAC@7.08A	
Power supply unit – Frequency	47-63 Hz	
	Note: Power is also supplied in redundant mode, allowing full operation with half the resources.	
CPU	2 x Intel Xeon E5 8 core	4 x Intel Xeon E5 8 core
Cache memory	Default DDR4 32GB Up to 64GB, 128GB, 256GB or 512GB	Default DDR4 64GB Up to 128GB, 256GB, 512GB or 1024GB
Max. number of host board	4	16
	Note: GS 5200 deafult memory: 64GB (32GB for each controller), it is recommended to install 8 host boards (4 in each controller). To install up to 16 host boards, 128GB is required (64GB each).	
Expansion board	4 (Default included)	4 (Default included)
	Note: The expansion board can only be installed in slots HB9 and HB10.	
Host board ports	4 x 16Gb/s FC ports (No Remote Replication support) 4 x 1Gb/s iSCSI ports 2 x 10Gb/s iSCSI ports (RJ-45) 2 x 40Gb/s iSCSI ports (QSFP) 2 x 56Gb/s InfiniBand ports (for Linux only, block level only) 2 x 12Gb/s SAS ports Converged host board: - 4 x 8Gb/s FC ports - 2 x 16Gb/s FC ports - 4 x 10Gb/s FCoE ports - 4 x 10Gb/s iSCSI ports (SFP+)	
	Note: 1. The two controllers must have identical slot settings. 2. **For GS 5100**, the host boards should be installed in HB7~8. **For GS 5200**, the host boards should be installed in HB1~8. 3. Fibre Channel supports point-to-point and switch mode.	
Max. 8Gb/s FC ports	16	64
Max. 16Gb/s FC ports	16	64
Max. 10 GbE FCoE ports	16	64
Max. 1 GbE/iSCSI ports	16	64
Max. 10 GbE/iSCSI (SFP+) ports	16	64
Max. 10 GbE/iSCSI (RJ-45) ports	8	32
Max. 40GbE/iSCSI (QSFP) ports	8	32
Max. 56Gb/s InfiniBand ports	8	32
Max. 12Gb/s SAS ports (for expansion enclosures)	8	
Max. number of logical drives	32	
Max. logical drive capacity	512TB	
Configurable stripe size	16KB, 32KB, 64KB, 128KB, 256KB, 512KB, or 1024KB per logical drive	
Configurable write policy	Write-Back or Write-Through per logical drive. This policy can be modified.	
Max. size of pool	2PB	
Max. number of pools	32	
Max. number of volumes (per pool/ per system)	1024	
Max. number of LUNs mappable	4000	
Max. volume size	2PB	
Number of tags reserved for each Host-LUN connection	Up to 256	
Max iSCSI Initiators (per controller)	832	
Maximum host connection (per FC)	128	
File Level – Max. file system size	2PB	
File Level – Max. number of user accounts	20000	
File Level – Max. number of user groups	512	
File Level – Max. number of folder sharing	2048 (NFS/CIFS/FTP) | 255 (AFP)	
File Level – Max. number of rsync jobs	1024	
File Level – Max. number of rsync concurrent processes	64	
File Level – Max. number of concurrent connections per controller (NFS/CIFS/AFP/FTP)	•16 GB memory: 200 •32 GB memory: 512	•64 GB memory: 1024 •128 GB memory: 2048
RAID options	RAID 0, 1, (1+0), 3, 5, 6, 10, 30, 50, 60	
Protocol support	File Level Protocol: CIFS/ SMB: Version 2.0/3.0, NFS: Version 2/3/4, AFP, FTP, FXP, WebDAV Block Level Protocol: FC, FCoE, iSCSI, SAS, InfiniBand Object Level Protocol: OpenStack Swift	
EonCloud Gateway	Support the integration with following cloud providers: Amazon S3, Microsoft Azure, Alibaba Cloud, OpenStack	
Green design	• 80 PLUS power supplies delivering more than 80% energy efficiency • Intelligent multi-level drive spin-down	
Regulatory	• Electromagnetic Compatibility : CE, BSMI, FCC, KC • Safety : UL, BSMI, CB, EAC	

PHYSICAL SPECIFICATIONS

EonStor GS Family

GS 1000 Gen2 Series

Form Factor	2U 12-bay	3U 16-bay	4U 24-bay	2U 24-bay
Available Models	GS 1012R2CF/S2CF	GS 1016R2CF/S2CF	GS 1024R2CF/S2CF	GS 1024R2CBF/S2CBF
	Note: S: Single controller(upgradable to dual controller) **R**: Redundant controller **2**: Gen2 **C**: Super capacitor **L**: One Drawer (for GS 3060)			
Supported drives	• 2.5" SAS SSDs • 2.5" SATA SSDs • 2.5" 10,000 RPM SAS HDD • 2.5" 15,000 RPM SAS HDD • 3.5" 7,200 RPM Nearline SAS HDD • 3.5" 7,200 RPM SATA HDD	• 2.5" SAS SSDs • 2.5" SATA SSDs • 2.5" 10,000 RPM SAS HDD • 2.5" 15,000 RPM SAS HDD • 3.5" 7,200 RPM Nearline SAS HDD • 3.5" 7,200 RPM SATA HDD	• 2.5" SAS SSDs • 2.5" SATA SSDs • 2.5" 10,000 RPM SAS HDD • 2.5" 15,000 RPM SAS HDD • 3.5" 7,200 RPM Nearline SAS HDD • 3.5" 7,200 RPM SATA HDD	• 2.5" SAS SSDs • 2.5" SATA SSDs • 2.5" 10,000 RPM SAS HDD • 2.5" 15,000 RPM SAS HDD
	Note: For the latest compatibility details, refer to our official website for the latest EonStor GS Compatibility Matrix.			
Max. drives number	448	448	448	448
Rack Support	2U, 19-inch rackmount	3U, 19-inch rackmount	4U, 19-inch rackmount	2U, 19-inch rackmount
Dimensions (Without chassis ears/ protrusions)	447(W)x88(H)x500mm (D)	447(W)x130(H)x500mm (D)	447(W)x175(H)x500mm (D)	447(W)x88(H)x500mm (D)
Package Dimensions	780(W)x379(H)x588mm (D)	780(W)x423(H)x588mm (D)	780(W)x465(H)x588mm (D)	780(W)x338(H)x588mm (D)
Expansion enclosure (JBOD)	JB 3012A, JB 3016A, JB 3024BA, JB 3025BA, JB 3060, JB 3060L			

GS 2000(T)/3000(T)/4000(T) Series

Form Factor	2U 12-bay	3U 16-bay	4U 24-bay
Available Models	GS 3012RCF/SCF GS 3012RTCF/STCF GS 2012RCF/SCF GS 2012RTCF/STCF	GS 4016RCF/SCF GS 4016RTCF/STCF GS 3016RCF/SCF GS 3016RTCF/STCF GS 2016RCF/SCF GS 2016RTCF/STCF	GS 3024RCF/SCF GS 3024RTCF/STCF GS 2024RCF/SCF GS 2024RTCF/STCF
	Note: G: Single controller **S**: Single controller(upgradable to dual controller) **R**: Redundant controller **T**: High Performance **C**: Super capacitor		
Supported drives	• 2.5" SAS SSDs • 2.5" SATA SSDs • 2.5" 10,000 RPM SAS HDD • 2.5" 15,000 RPM SAS HDD • 3.5" 7,200 RPM Nearline SAS HDD • 3.5" 7,200 RPM SATA HDD	• 2.5" SAS SSDs • 2.5" SATA SSDs • 2.5" 10,000 RPM SAS HDD • 2.5" 15,000 RPM SAS HDD • 3.5" 7,200 RPM Nearline SAS HDD • 3.5" 7,200 RPM SATA HDD	• 2.5" SAS SSDs • 2.5" SATA SSDs • 2.5" 10,000 RPM SAS HDD • 2.5" 15,000 RPM SAS HDD • 3.5" 7,200 RPM Nearline SAS HDD • 3.5" 7,200 RPM SATA HDD
	Note: For the latest compatibility details, refer to our official website for the latest EonStor GS Compatibility Matrix.		
Max. drives number	896	896	896
Rack Support	2U, 19-inch rackmount	3U, 19-inch rackmount	4U, 19-inch rackmount
Dimensions (Without chassis ears/ protrusions)	447(W)x88(H)x500(D)mm	447(W)x130(H)x500(D)mm	447(W)x175(H)x500(D)mm
Package Dimensions	780(W)x379(H)x588(D)mm	780(W)x423(H)x588(D)mm	780(W)x465(H)x588(D)mm
Expansion enclosure(JBOD)	JB 3012A, JB 3016A, JB 3024BA, JB 3025BA, JB 3060, JB 3060L		

Form Factor	4U 60-bay	2U 24-bay	2U 25-bay
Available Models	GS 3060RCLF GS 3060GLF GS 3060RTCLF GS 3060GTLF	GS 4024RCBF/SCBF GS 4024RTCBF/STCBF GS 3024RCBF/SCBF GS 2024RCBF/SCBF GS 2024RTCBF/STCBF	GS 3025RCBF/SCBF GS 3025RTCBF/STCBF
	Note: G: Single controller **S**: Single controller(upgradable to dual controller) **R**: Redundant controller **T**: High Performance **C**: Super capacitor **L**: One Drawer (for GS 3060)		
Supported drives	• 2.5" SAS SSDs • 2.5" SATA SSDs • 2.5" 10,000 RPM SAS HDD • 2.5" 15,000 RPM SAS HDD • 3.5" 7,200 RPM Nearline SAS HDD • 3.5" 7,200 RPM SATA HDD	• 2.5" SAS SSDs • 2.5" SATA SSDs • 2.5" 10,000 RPM SAS HDD • 2.5" 15,000 RPM SAS HDD • 3.5" 7,200 RPM Nearline SAS HDD • 3.5" 7,200 RPM SATA HDD	• 2.5" SAS SSDs • 2.5" SATA SSDs • 2.5" 10,000 RPM SAS HDD • 2.5" 15,000 RPM SAS HDD • 3.5" 7,200 RPM Nearline SAS HDD • 3.5" 7,200 RPM SATA HDD
	Note: 1. **2U 24-bay** and **2U 25-bay** support 3.5" drives in 3.5" JBOD 2. For the latest compatibility details, refer to our official website for the latest EonStor GS Compatibility Matrix.		
Max. drives number	896	896	896
Rack Support	4U, 19-inch rackmount	2U, 19-inch rackmount	2U, 19-inch rackmount
Dimensions (Without chassis ears/ protrusions)	448(W)x176(H)x840(D)mm	447(W)x88(H)x500(D)mm	447(W)x88(H)x500(D)mm
Package Dimensions	620(W)x460(H)x1140(D)mm	780(W)x338(H)x588(D)mm	780(W)x340(H)x588(D)mm
Expansion enclosure(JBOD)	JB 3012A, JB 3016A, JB 3024BA, JB 3025BA, JB 3060, JB 3060L		

GS 5000 Series

Form Factor	**4U** (No internal bay. Expansion enclosure required.)	
Available Models	GS 5100RL	GS 5200RL
	Note: R: Redundant controller **L**: BBU (for GS 5000)	
Supported drives	• 2.5" SAS SSDs • 2.5" SATA SSDs • 2.5" 10,000 RPM SAS HDD • 2.5" 15,000 RPM SAS HDD • 3.5" 7,200 RPM Nearline SAS HDD	
	Note: For the latest compatibility details, refer to our official website for the latest EonStor GS Compatibility Matrix.	
Max. drives number	1792	
Rack Support	4U, 19-inch rackmount	
Dimensions (Without chassis ears/ protrusions)	447(W)x175(H)x577mm (D)	
Package Dimensions	591(W)x295(H)x800mm (D)	
Expansion enclosure(JBOD)	JB 3012A, JB 3016A, JB 3024BA, JB 3025BA, JB 3060, JB 3060L	

SOFTWARE SPECIFICATIONS — EonStor GS Family

Data Service

Local Replication	Snapshot	Snapshot images per source volume Snapshot images per system	Standard License: 64 / Advanced License: 256 Standard License: 128 / Advanced License: 4096
	Volume Copy/Mirror	Replication pairs per source volume Replication pairs per system	Standard License: 4 / Advanced License: 8 Standard License: 16 / Advanced License: 256
	Note: Standard license is included by default and advanced is an optional license		
Thin Provisioning (default included)	"Just-in-time" capacity allocation optimizes storage utilization and eliminates allocated but unused storage space		
Self-encrypting drives	Unique factory encryption secures data plus makes deletion simple and complete		
Remote Replication(Block level)	Replication pairs per source volume: 8 Replication pairs per system: 64		
	Note: The maximum number of replication pair per source volume is up to 8, regardless of remote asynchronous/remote synchronous/local volume pairs		
Remote Replication(File Level)	Support Rsync with 128-bit SSH encryption		
Automated Storage Tiering (optional)	Two(2) or four(4)storage tiers based on drive types SSD supports		
SSD Cache (optional)	• Accelerating data access for random read-intensive environments, such as OLTP • Supports up to four SSDs per controller • Recommended DIMM capacity for SSD Cache pool: DRAM:8GB Max SSD Cache Pool Size: 300GB DRAM:16GB Max SSD Cache Pool Size: 400GB DRAM:32GB Max SSD Cache Pool Size: 800GB DRAM:64GB Max SSD Cache Pool Size: 1,600GB DRAM:128GB Max SSD Cache Pool Size: 3,200GB DRAM:256GB Max SSD Cache Pool Size: 3,200GB DRAM:512GB Max SSD Cache Pool Size: 3,200GB DRAM:1024GB Max SSD Cache Pool Size: 3,200GB		
EonCloud Gateway	**File-level** Cache Mode: A copy of frequently accessed file is kept on a local storage and all files are also uploaded to cloud Sync Mode: Synchronizing files between local storage and clouod. **Block-level** Cache Mode: A copy of frequently accessed data is kept on a local storage and all data are also flushed to cloud. Backup Mode: All data are kept on local storage and all data are also flushed to cloud. Tiering Mode: Frequently accessed data is kept on local storage and infrequently accessed data is migrated to cloud		

EonCloud Gateway Version

Feature	EonCloud Gateway Standard	EonCloud Gateway Enterprise	EonCloud Gateway Ultimate
Models applied	For GS 1000: Standard license is included by default. Can be upgraded to EonCloud Enterprise version For GS 2000/3000/4000/5000: Standard license is included by default. Can be upgraded to EonCloud Enterprise or Ultimate version		
Cloud folder sync/cache	v	v	v
Max. cache settings	5 (90 days trial)	5	10
Cache policy and function parameters	(90 days trial for all) Default(LRU) Low priority High priority Uncacheable for read Uncacheable for write No applicable Local only Prepopulated Sequentially-preallocate	Default(LRU) Low priority High priority 90 days trial for others	Default(LRU) Low priority High priority Uncacheable for read Uncacheable for write No applicable Local only Prepopulated Sequentially-preallocate
Cloud volume cache	(90 days trial)	v	v
Cloud volume backup	(90 days trial)	v	v
Cloud volume tier	(90 days trial)	v	v
Max. connected folder	5	5	32
Max. connected volume	5	5	32
Cloud folder cache size	≦ 1TB	≦ 2PB	≦ 2PB
Cloud volume capacity	≦ 1TB	≦ 2PB	≦ 2PB

Service & Support

Access right management	• User account management • Quota management	• Group management • Integration with Window® AD and LDAP	• Folder management - folder access control • Folder encryption with AES	
Availability and reliability	• Redundant, hot-swappable hardware modules • Trunk group support	• Device mapper support • CacheSafe technology	• Multi-pathing support • UPS	• Antivirus • WORM(For file level only)
Management	• Web-based EonOne management software • Automated cache flush and caching mode operation per enclosure status • Module status LED indicators: component presence detection & thermal sensors via I2C bus • Storage Resource Management to analyze history records of resource usage • Automate repeatable management tasks by flexible workflow			
Notification	Email, SNMP traps			
Applications	• File explorer • Proxy server • Syslog server • VPN server • SyncCloud • LDAP server			
OS support	Microsoft Windows Server 2008 / 2008 R2 / 2012 / 2012 R2 / 2016 , Windows 7 SP1 / Windows 8.1, Microsoft Windows Hyper-V, Red Hat Enterprise Linux, SUSE Linux Enterprise, Sun Solaris, Mac OS X, VMware, Citrix XenServer, OpenStack Cinder			
Service and support	Standard service	3-year limited hardware warranty and 8x5 phone, web, and email support (Batteries are covered under warranty for 2 years)		
	Upgrade/extension options	Replacement part dispatch on the next business day (up to 5 years) Advanced service: 24x7 phone, web, and email support + onsite diagnostics on the next business day (up to 5 years) Premium service: 24x7 phone, web, and email support + onsite diagnostics in 4 hours (up to 5 years) Extended standard service up to 5 years		
	Infortrend Service Center	Request Support, Knowledge Base, Download Center, Licensing Service, and News		

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