## 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.*

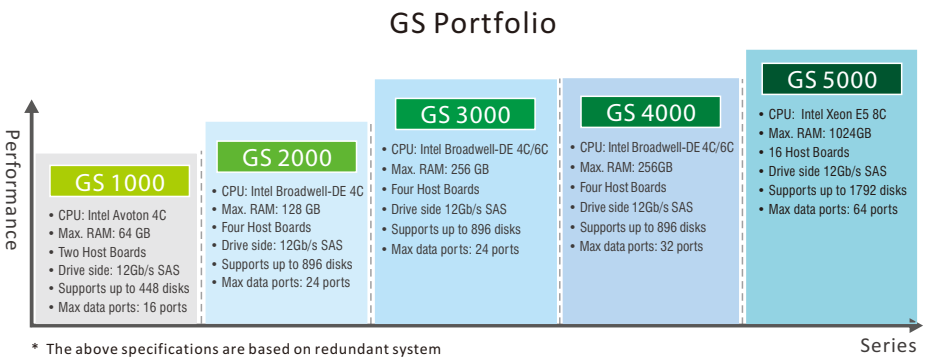
*EonStor GS family is a unified storage solution that incorporates remote cloud storage into local applications to offer the best of both worlds – unlimited cloud storage and high performance local storage – as well as automatic data lifecycle management, to allow SMBs and SMEs running local SAN/NAS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




* The above specifications are based on redundant system

* All design and specification declared are subject to change without notice in advance. All rights reserved. Please refer to Infortrend website for further information or localization updates.

**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

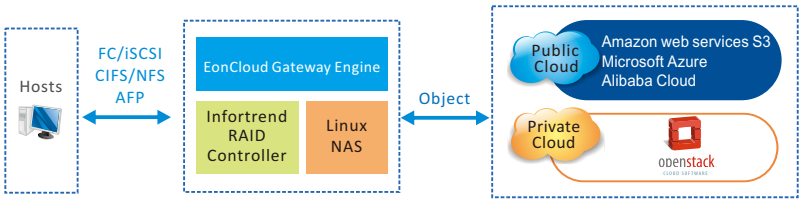
**SYMMETRIC ACTIVE-ACTIVE CONTROLLERS**

- 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.

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# PHYSICAL SPECIFICATIONS

# EonStor GS Family

| Specifications (per system) | | GS 1000Gen2 | GS 2000<br>GS 2000T*1 | GS 3000<br>GS 3000T*1 | GS 4000<br>GS 4000T*1 |
|---|---|---|---|---|---|
| Form factor | 2U 12-bay | V | V | V | |
| | 2U 24-bay | V | V | V (T model unavailable) | V |
| | 2U 25-bay | | | V | |
| | 3U 16-bay | V | V | V | V |
| | 4U 24-bay | V | V | V | |
| | 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 | | 1TB | 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)<br>(GS 3060L) Redundant / hot-swappable: 1200W x 2 (80 PLUS Platinum) | |
| | AC voltage (with PFC (auto-switching)) | 100VAC @ 8A to 240VAC @ 4A | | (GS 3000/4000) 100VAC @ 10A to 240VAC @ 5A<br>(GS 3060L) 100-127VAC @ 12.47A, 200-240VAC @ 7.08A | |
| | 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)<br>4 Core | 2x Intel Broadwell-DE (Pentium)<br>GS 2000/GS 2000T: 2 Core/4 Core | 2x Intel Broadwell-DE (Xeon)<br>GS 3000/GS 3000T: 4 Core/6 Core | 2x Intel Broadwell-DE (Xeon)<br>GS 4000/GS4000T: 4 Core/6 Core |
| Cache memory | | Default DDR3 16GB<br>Up to 32GB | Default DDR4 16GB<br>Up to 32/64/ 128(GB) | Default DDR4 16GB<br>Up to 32/64/128/256(GB) | Default DDR4 16GB<br>Up to 32/64/128/ 256(GB) |
| 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)<br>4 x 1Gb/s iSCSI ports<br>2 x 10Gb/s iSCSI ports (SFP+)<br>2 x 10Gb/s iSCSI ports (RJ-45)<br>2 x 40Gb/s iSCSI ports (QSFP)<br>2 x 12Gb/s SAS ports<br>Converged host board:<br>- 4 x 8Gb/s FC ports<br>- 2 x 16Gb/s FC ports<br>- 4 x 10Gb/s iSCSI ports (SFP+) | 4 x 16Gb/s FC ports (No Remote Replication support)<br>4 x 1Gb/s iSCSI ports<br>2 x 10Gb/s iSCSI ports (SFP+)<br>2 x 10Gb/s iSCSI ports (RJ-45)<br>2 x 25Gb/s iSCSI ports (SFP28)<br>2 x 40Gb/s iSCSI ports (QSFP)<br>2 x 56Gb/s InfiniBand ports (for Linux only, block level only)<br>2 x 12Gb/s SAS ports<br>Converged host board:<br>- 4 x 8Gb/s FC ports<br>- 2 x 16Gb/s FC ports<br>- 4 x 10Gb/s FCoE ports<br>- 4 x 10Gb/s iSCSI ports (SFP+) | 4 x 16Gb/s FC ports (No Remote Replication support)<br>4 x 1Gb/s iSCSI ports<br>2 x 10Gb/s iSCSI ports (SFP+)<br>2 x 10Gb/s iSCSI ports (RJ-45)<br>2 x 25Gb/s iSCSI ports (SFP28)<br>2 x 40Gb/s iSCSI ports (QSFP)<br>2 x 56Gb/s InfiniBand ports (for Linux only, block level only)<br>2 x 12Gb/s SAS ports<br>Converged host board:<br>- 4 x 8Gb/s FC ports<br>- 2 x 16Gb/s FC ports<br>- 4 x 10Gb/s FCoE ports<br>- 4 x 10Gb/s iSCSI ports (SFP+) | 4 x 16Gb/s FC ports (No Remote Replication support)<br>4 x 1Gb/s iSCSI ports<br>2 x 10Gb/s iSCSI ports (SFP+)<br>2 x 10Gb/s iSCSI ports (RJ-45)<br>2 x 25Gb/s iSCSI ports (SFP28)<br>2 x 40Gb/s iSCSI ports (QSFP)<br>2 x 56Gb/s InfiniBand ports (for Linux only, block level only)<br>2 x 12Gb/s SAS ports<br>Converged host board:<br>- 4 x 8Gb/s FC ports<br>- 2 x 16Gb/s FC ports<br>- 4 x 10Gb/s FCoE ports<br>- 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 | | | |
| | Max. number of user accounts | 20000 | | | |
| | Max. number of user groups | 512 | | | |
| | Max. number of folder sharing | 2048 (NFS/CIFS/FTP) \| 255 (AFP) | | | |
| | Max. number of rsync jobs | 1024 | | | |
| | Max. number of rsync concurrent processes | 64 | | | |
| | Max. number of concurrent connections (NFS/CIFS/AFP/FTP) | | • 16 GB memory: 200<br>• 32 GB memory: 512 | • 64 GB memory: 1024<br>• 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<br>Block Level Protocol: FC, FCoE, iSCSI, SAS, InfiniBand<br>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<br>• Intelligent multi-level drive spin-down | | | |
| Regulatory | | • Electromagnetic Compatibility : CE, BSMI, FCC, KC<br>• Safety : UL, BSMI, CB, EAC | | | |

1. Model name "T" means high performance

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# 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<br>8 core | 4 x Intel Xeon E5<br>8 core |
| Cache memory | Default DDR4 32GB<br>Up to 64GB, 128GB, 256GB or 512GB | Default DDR4 64GB<br>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)<br>4 x 1Gb/s iSCSI ports<br>2 x 10Gb/s iSCSI ports (RJ-45)<br>2 x 40Gb/s iSCSI ports (QSFP)<br>2 x 56Gb/s InfiniBand ports (for Linux only, block level only)<br>2 x 12Gb/s SAS ports<br>Converged host board:<br>- 4 x 8Gb/s FC ports<br>- 2 x 16Gb/s FC ports<br>- 4 x 10Gb/s FCoE ports<br>- 4 x 10Gb/s iSCSI ports (SFP+) | |
| | Note: 1. The two controllers must have identical slot settings.<br>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.<br>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<br>•32 GB memory: 512 | •64 GB memory: 1024<br>•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<br>Block Level Protocol: FC, FCoE, iSCSI, SAS, InfiniBand<br>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<br>• Intelligent multi-level drive spin-down | |
| Regulatory | • Electromagnetic Compatibility : CE, BSMI, FCC, KC<br>• Safety : UL, BSMI, CB, EAC | |

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## GS 1000 Gen2 Series

| | 2U 12-bay | 3U 16-bay | 4U 24-bay | 2U 24-bay |
|---|---|---|---|---|
| Form Factor | | | | |
| 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<br>• 2.5" SATA SSDs<br>• 2.5" 10,000 RPM SAS HDD<br>• 2.5" 15,000 RPM SAS HDD<br>• 3.5" 7,200 RPM Nearline SAS HDD<br>• 3.5" 7,200 RPM SATA HDD | • 2.5" SAS SSDs<br>• 2.5" SATA SSDs<br>• 2.5" 10,000 RPM SAS HDD<br>• 2.5" 15,000 RPM SAS HDD<br>• 3.5" 7,200 RPM Nearline SAS HDD<br>• 3.5" 7,200 RPM SATA HDD | • 2.5" SAS SSDs<br>• 2.5" SATA SSDs<br>• 2.5" 10,000 RPM SAS HDD<br>• 2.5" 15,000 RPM SAS HDD<br>• 3.5" 7,200 RPM Nearline SAS HDD<br>• 3.5" 7,200 RPM SATA HDD | • 2.5" SAS SSDs<br>• 2.5" SATA SSDs<br>• 2.5" 10,000 RPM SAS HDD<br>• 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 3025BA<br>JB 3016A JB 3060<br>JB 3024BA JB 3060L | | |

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

| | 2U 12-bay | 3U 16-bay | 4U 24-bay |
|---|---|---|---|
| Form Factor | | | |
| Available Models | GS 3012RCF/SCF<br>GS 3012RTCF/STCF<br>GS 2012RCF/SCF<br>GS 2012RTCF/STCF | GS 4016RCF/SCF<br>GS 4016RTCF/STCF<br>GS 3016RCF/SCF<br>GS 3016RTCF/STCF<br>GS 2016RCF/SCF<br>GS 2016RTCF/STCF | GS 3024RCF/SCF<br>GS 3024RTCF/STCF<br>GS 2024RCF/SCF<br>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<br>• 2.5" SATA SSDs<br>• 2.5" 10,000 RPM SAS HDD<br>• 2.5" 15,000 RPM SAS HDD<br>• 3.5" 7,200 RPM Nearline SAS HDD<br>• 3.5" 7,200 RPM SATA HDD | • 2.5" SAS SSDs<br>• 2.5" SATA SSDs<br>• 2.5" 10,000 RPM SAS HDD<br>• 2.5" 15,000 RPM SAS HDD<br>• 3.5" 7,200 RPM Nearline SAS HDD<br>• 3.5" 7,200 RPM SATA HDD | • 2.5" SAS SSDs<br>• 2.5" SATA SSDs<br>• 2.5" 10,000 RPM SAS HDD<br>• 2.5" 15,000 RPM SAS HDD<br>• 3.5" 7,200 RPM Nearline SAS HDD<br>• 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 3025BA<br>JB 3016A JB 3060<br>JB 3024BA JB 3060L | |

| | 4U 60-bay | 2U 24-bay | 2U 25-bay |
|---|---|---|---|
| Form Factor | | | |
| Available Models | GS 3060RCLF<br>GS 3060GLF<br>GS 3060RTCLF<br>GS 3060GTLF | GS 4024RCBF/SCBF<br>GS 4024RTCBF/STCBF<br>GS 3024RCBF/SCBF<br>GS 2024RCBF/SCBF<br>GS 2024RTCBF/STCBF | GS 3025RCBF/SCBF<br>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<br>• 2.5" SATA SSDs<br>• 2.5" 10,000 RPM SAS HDD<br>• 2.5" 15,000 RPM SAS HDD<br>• 3.5" 7,200 RPM Nearline SAS HDD<br>• 3.5" 7,200 RPM SATA HDD | • 2.5" SAS SSDs<br>• 2.5" SATA SSDs<br>• 2.5" 10,000 RPM SAS HDD<br>• 2.5" 15,000 RPM SAS HDD<br>• 3.5" 7,200 RPM Nearline SAS HDD<br>• 3.5" 7,200 RPM SATA HDD | • 2.5" SAS SSDs<br>• 2.5" SATA SSDs<br>• 2.5" 10,000 RPM SAS HDD<br>• 2.5" 15,000 RPM SAS HDD<br>• 3.5" 7,200 RPM Nearline SAS HDD<br>• 3.5" 7,200 RPM SATA HDD |
| | **Note:** 1. **2U 24-bay** and **2U 25-bay** support 3.5" drives in 3.5" JBOD<br>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 3025BA<br>JB 3016A JB 3060<br>JB 3024BA 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<br>• 2.5" SATA SSDs<br>• 2.5" 10,000 RPM SAS HDD<br>• 2.5" 15,000 RPM SAS HDD<br>• 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 3025BA<br>JB 3016A JB 3060<br>JB 3024BA JB 3060L |

* All design and specification declared are subject to change without notice in advance. All rights reserved. Please refer to Infortrend website for further information or localization updates.

# SOFTWARE SPECIFICATIONS — EonStor GS Family

## Data Service

| | | | |
|---|---|---|---|
| Local Replication | Snapshot | Snapshot images per source volume<br>Snapshot images per system | Standard License: 64 / Advanced License: 256<br>Standard License: 128 / Advanced License: 4096 |
| | Volume Copy/Mirror | Replication pairs per source volume<br>Replication pairs per system | Standard License: 4 / Advanced License: 8<br>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<br>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<br>SSD supports | | |
| SSD Cache (optional) | • Accelerating data access for random read-intensive environments, such as OLTP<br>• Supports up to four SSDs per controller<br>• Recommended DIMM capacity for SSD Cache pool:<br>DRAM:8GB — Max SSD Cache Pool Size: 400GB<br>DRAM:16GB — Max SSD Cache Pool Size: 600GB<br>DRAM:32GB — Max SSD Cache Pool Size: 1000GB<br>DRAM:64GB — Max SSD Cache Pool Size: 1,600GB<br>DRAM:128GB — Max SSD Cache Pool Size: 3,200GB<br>DRAM:256GB — Max SSD Cache Pool Size: 3,200GB<br>DRAM:512GB — Max SSD Cache Pool Size: 3,200GB<br>DRAM:1024GB — Max SSD Cache Pool Size: 3,200GB | | |
| EonCloud Gateway | File- level<br>Cache Mode: A copy of frequently accessed file is kept on a local storage and all files are also uploaded to cloud<br>Sync Mode: Synchronizing files between local storage and clouod.<br>Block- level<br>Cache Mode: A copy of frequently accessed data is kept on a local storage and all data are also flushed to cloud.<br>Backup Mode: All data are kept on local storage and all data are also flushed to cloud.<br>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<br>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)<br>Default(LRU)<br>Low priority<br>High priority<br>Uncacheable for read<br>Uncacheable for write<br>No applicable<br>Local only<br>Prepopulated<br>Sequentially-preallocate | Default(LRU)<br>Low priority<br>High priority<br>90 days trial for others | Default(LRU)<br>Low priority<br>High priority<br>Uncacheable for read<br>Uncacheable for write<br>No applicable<br>Local only<br>Prepopulated<br>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<br>• Quota management | • Group management<br>• Integration with Window® AD and LDAP<br>• Folder management - folder access control<br>• Folder encryption with AES |
| Availability and reliability | • Redundant, hot-swappable hardware modules<br>• Trunk group support<br>• Device mapper support<br>• CacheSafe technology<br>• Multi-pathing support<br>• UPS<br>• Antivirus<br>• WORM(For file level only) | |
| Management | • Web-based EonOne management software<br>• Automated cache flush and caching mode operation per enclosure status<br>• Module status LED indicators: component presence detection & thermal sensors via I2C bus<br>• Storage Resource Management to analyze history records of resource usage<br>• 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,<br>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)<br>Advanced service: 24x7 phone, web, and email support + onsite diagnostics on the next business day (up to 5 years)<br>Premium service: 24x7 phone, web, and email support + onsite diagnostics in 4 hours (up to 5 years)<br>Extended standard service up to 5 years |
| | Infortrend Service Center | Request Support, Knowledge Base, Download Center, Licensing Service, and News |

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