EonStor GSe Pro family

Enterprise-Class Features in the Most Affordable NAS

- Integrates NAS, SAN, and cloud in one system
- Featuring a quad-core processor and four 1GbE ports
- Suitable for surveillance, file sharing, and backup applications

For more details

Highlight

- Data storage, file sharing and cloud integration in one system
- Easy storage management and complete data services
- Upload files to public cloud with SyncCloud
- Quad-core CPU and 4x 1GbE ports deliver lightning fast performance
- Redundant power supplies and FAN Modules

By consolidating NAS, SAN, and cloud in one system, the EonStor GSe Pro family fully supports data storage, file sharing, and cloud integration to allow SMBs and SMEs running local SAN/NAS applications to easily and cost-effectively integrate and expand their storage architecture with cloud services. The EonStor GSe Pro family features a powerful quad-core processor and four built-in 1Gb Ethernet ports to deliver optimum data transfer performance as well as comprehensive data services offered through a centralized user-friendly management tool.

Easy File Sharing and Storage Management

The EonStor GSe Pro family supports cross-platform CIFS/SMB, NFS, AFP, FTP folder sharing and assists with daily operations including file storage, backup, sharing, synchronization, and more. Storage management is hassle-free with EonStor GSe Pro family's user-friendly management tool－EonOne. It integrates storage configurations and controls such as storage provisioning, scheduling backup as snapshot, and cloud features into simple step-by-step procedures and provides built-in services including Proxy, LDAP, Syslog, VPN and NVR servers.

Cloud Integration

By integrating an intelligent cloud gateway engine and supporting a wide range of private and public cloud services, the SyncCloud feature allows data in an EonStor GSe Pro family storage system to synchronize with data on cloud storage provided by public cloud services such as Aliyun, Dropbox, Google Cloud, and Amazon S3. With SyncCloud, files can be shared to partners/ROBOs and fetched from the public cloud using their familiar web interface.

Compact NAS with High Performance

EonStor GSe Pro family is a compact 1U 4-bay /2U 8-bay NAS designed to boost productivity in your workplace. Powered by a quad-core processor and embedded with onboard 1GbE ports, EonStor GSe Pro family delivers superior data transfer performance for IOPS/throughput-demanding applications such as surveillance, file sharing, backup, and email servers, while redundant power supplies increase service continuity.

EonStor GSe Pro family

	GSe Pro 1004	GSe Pro 1008
Form Factor	1U 4-bay	2U 8-bay
CPU Type	Intel Avoton 4-Core 2.40GHz	
Memory[1]	Default: DDR3 4GB	
Onboard Ethernet Ports	4 x 1Gb iSCSI ports (RJ-45)	
USB Port	2 x USB 3.0 + 2 x USB 2.0	
Max Drives	4	8
Drive Interface	SATA 6G	
Drive Support[2]	SATA SSD (2.5") SATA HDD (3.5")	
Power supplies	Single/ Dual redundant 250W	
Dimensions	447mm(W) x 43.5mm(H) x 450mm(D)	449mm(W) x 88mm(H) x 450mm(D)
Package Dimensions	590mm(W) x 130mm(H) x 682mm(D)	590mm(W) x 190mm(H) x 682mm(D)
File level	Max. file system size 2PB Max. number of user accounts 10000 Max. number of user groups 512 Max. number of folder sharing (NFS/CIFS/AFP[3]/FTP) 1024 Max. number of rsync jobs 256 Max. number of rsync concurrent processes 16 Max. number of connections for a folder (NFS/CIFS/AFP[3]/FTP) 512	
Available models	GSe Pro 1004SP GSe Pro 1004RP	GSe Pro 1008SP GSe Pro 1008RP

1. Optional memory for GSe Pro 1000: DDR3 8GB, 16GB, 32GB
2. For the latest compatibility details, refer to our official website for the latest EonStor GSe Compatibility Matrix.
3. AFP: Supports 255 share folders and 64 connections per folder

	GSe Pro 3008	GSe Pro 3012(T)	GSe Pro 3016(T)
Form Factor	2U 8-bay	2U 12-bay	3U 16-bay
CPU Type	Intel Broadwell-DE (Pentium) 4-Core 1.60GHz	Intel Broadwell-DE (Xeon) 4 or 6 Core 2.20GHz	
Memory	Default: DDR4 4GB	Default: DDR4 8GB	
Cache backup techniques[6]	N/A	Super capacitor + Flash module	
Onboard Ethernet Ports	4 x 1Gb iSCSI ports (RJ-45)		
USB Port	2 x USB 3.0 + 2 x USB 2.0	1 x USB 3.0	
Host Board	2/4 x 16Gb/s FC ports[2] 4 x 8Gb/s FC ports[2] 4 x 10GbE FCoE ports 2 x 40GbE/iSCSI ports (QSFP) 2 x 10GbE/iSCSI ports (RJ-45) 2/4 x 10GbE/iSCSI ports (SFP+) 4 x 1GbE/iSCSI ports 2 x 12Gb/s SAS ports		
Expansion Board[3]	1		
Max Drives	428	432	436
Drive Interface	SATA 6G		
Drive Support[4]	SATA SSD (2.5") SATA HDD (3.5")		
Power supplies	Dual redundant 250W	Dual redundant 460W	
Dimensions	449mm(W) x 88mm(H) x 450mm(D)	447mm(W) x 88mm(H) x 500mm(D)	447mm(W) x 130mm(H) x 500mm(D)
Package Dimensions	590mm(W) x 190mm(H) x 682mm(D)	780mm(W) x 379mm(H) x 588mm(D)	780mm(W) x 423mm(H) x 588mm(D)
File level	Max. file system size 2PB Max. number of user accounts 10000 Max. number of user groups 512 Max. number of folder sharing (NFS/CIFS/AFP[5]/FTP) 2048 Max. number of rsync jobs 1024 Max. number of rsync concurrent processes 64 Max. number of connections for a folder (NFS/CIFS/AFP[5]/FTP) 2048 per controller		
Available models	GSe Pro 3008RP	GSe Pro 3012 GSe Pro 3012T	GSe Pro 3016 GSe Pro 3016T

1. Optional memory for GSe Pro 3000: DDR4 8GB, 16GB, 32GB, 64GB
2. Supports point-to-point and switch mode.
3. The expansion board can only be installed in the HB2 slot and has 2 x 12Gb/s SAS ports only connectable with expansion enclosures.
4. For the latest compatibility details, refer to our official website for the latest EonStor GSe Compatibility Matrix.
5. AFP: Supports 255 share folders and 64 connections per folder
6. Optional

Data Service

Local Replication[2] (Standard license is included by default and advanced is an optional license)	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
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)[*1]	Replication pairs per source volume: 8 Replication pairs per system: 64		
Remote Replication(File Level)	Remote Replication(File Level) Rsync with 128-bit SSH encryption between Infor trend EonStor GS and GSe		
Automated Storage Tiering[*1]	Two(2) storage tiers based on drive types SSD supports		

SSD Cache[*1]	• 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		

Cloud-integrated Solution[*1*4]	• Cloud Cache • Cloud Tiering • Cloud Backup		
Access right management	• User account management • Group management • Folder management - folder access control • Quota management • Integration with Window® AD and LDAP		
Availability and Reliability	• Redundant, hot-swappable hardware modules • CacheSafe technology • Multi-pathing support • Trunk group support • Device mapper support • UPS • WORM[*3]		
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 • NVR server Recommended IP Cam quantity and memory configuration		

Model	GSe Pro 1000	GSe Pro 3000
Max. IP Cam Supported	16	64
Memory Configuration (or above)	4GB	16GB

OS support	Microsoft Windows Server 2008 / 2008 R2 / 2012 / 2012 R2 , 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[*5]	• 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

1. Optional
2. Available with Standard license and optional advanced license
3. For file level only
4. 8GB(or above) Memory is recommended.
5. Services may vary by region. Please contact our sales representatives for details.

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