



# EonStor GSe Pro Family

## Rackmount and Desktop SATA Disk Storage



### Highlight

#### Flexibility -

##### Meet the present and future needs of SMB

- Highly Expandable Capacity.
- Rich I/O Host Board Options.
- Future-proof cloud expansion.

#### Reliability -

##### Low maintenance solution for SMB

- Redundant hardware design.
- Cable-less modular design.
- Cache protection.
- Intelligent drive recovery

#### Efficiency -

##### Built-in SSD Cache feature

### Introduction

*EonStor GSe Pro is a single controller Unified solution with support for SATA and SSD drives exclusively designed for SMBs, integrating SAN and NAS services as well as Cloud Gateway features to be deployed under a general NAS architecture for file sharing, backup, cloud synchronization, video editing, and surveillance purposes. Its complete product line features a hardware design of rack-mount or desktop enclosures and flexible host boards to choose from; as for software, it comes with complete data services and simple, intuitive management interfaces, so that you can find the perfect storage device according to your performance or budget needs.*

### 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 backup, synchronization and more. EonOne management interface provides a single control center for system management. It integrates storage configurations and controls such as storage provisioning backup as snapshot, and cloud features into simple step-by-step procedures and provides built-in services including Proxy Server, LDAP Server, Syslog Server, VPN Server, NVR servers, Docker and anti-virus.

### Cloud Integration

By integrating an intelligent cloud gateway engine and supporting a wide range of private and public cloud services, the EonCloud gateway feature allows EonStor GSe Pro family storage system to Synchronize file level or block level data with public cloud such as Amazon S3, Microsoft Azure, Alibaba Cloud, Open Stack, Baidu Cloud, Tencent Cloud and Google cloud etc.

### Easy maintenance with modular and cableless design

To ensure easy maintenance, the GSe Pro family adopts the modular and cableless design for its power supplies, system fans, controllers, and host boards. You can easily upgrade the system memory or swap the drives with our drawer design, and if any module fails, you can replace it right on the spot.

PHYSICAL SPECIFICATIONS

Desktop Series		GSe Pro 100	GSe Pro 200
Available Models	5-bay Desktop	GSe Pro 105	GSe Pro 205/205T
	8-bay Desktop	GSe Pro 108	GSe Pro 208/208T
Note: T: High performance			
CPU		Intel® Atom® 4 Core	Intel® Pentium® 2 Core (GSe Pro 200)
Cache Memory		DDR3 4GB (non-ECC) Expandable to 16GB	DDR4 8GB (non-ECC) Expandable to 32GB
Supported Drives		• 2.5" SATA SSD • 3.5" 6Gb/s SATA 7,200 RPM HDD	
Max. Drives Number		• 5-bay Desktop: 37 • 8-bay Desktop: 40	
Max. SSD Cache Pool		600GB	1TB
Onboard USB Ports		2 x USB 2.0 + 2 x USB 3.0	2 x USB 3.0 + 2 x USB 3.1 Gen2
Onboard 1GbE Ports (RJ-45)		4	2
Onboard 10GbE Ports (SFP+)		0	2
Max. Host Board Slots		1	2
		1	1
Max. Expansion Board		Note: 1. The expansion board has 12Gb/s SAS x 2 ports only connectable with expansion enclosures 2. For GSe Pro 200, the expansion board can only be installed in the HB2 slot.	
Host Board Options		• 1GbE (RJ-45) x 4 • 10GbE (RJ-45) x 2 • 12Gb/s SAS x 2	
		Note: Fiber Channel supports point-to-point and switch mode.	
Max. 1 GbE Ports (RJ-45)		8	10
Max. 10 GbE Ports (RJ-45)		2	6
Max. 12Gb/s SAS Ports		2	4
Expansion Enclosure (JBOD)		JB Pro 208	
Dimensions (without Chassis Ears/Protrusions) (W x H x D)		• 5-bay Desktop: 255 x 168 x 254mm • 8-bay Desktop: 345 x 168 x 254mm	
Package Dimensions (W x H x D)		• 5-bay Desktop: 363 x 269 x 366mm • 8-bay Desktop: 456 x 269 x 366mm	
Power Supply Unit	Power Supplies (Redundant/Hot-swappable)	250W (80 PLUS Bronze)	
	AC Voltage (with PFC(Auto-switching))	100VAC @3.5A to 240VAC @3.5A	
	Frequency	47-63 Hz	
Safety Standard		• Electromagnetic Compatibility : CE, BSMI, FCC • Safety : UL, BSMI, CB	

Rackmount Series		GSe Pro 1000		GSe Pro 3000		
Form Factor		1U 4-bay	2U 8-bay	2U 8-bay	2U 12-bay	2U 16-bay
Available models		GSe Pro 1004 <b>SP</b> GSe Pro 1004 <b>RP</b>	GSe Pro 1008 <b>SP</b> GSe Pro 1008 <b>RP</b>	GSe Pro 3008 <b>RP</b>	GSe Pro 3012 GSe Pro 3012 <b>T</b>	GSe Pro 3016 GSe Pro 3016 <b>T</b>
		Note: <b>S</b> :Single, <b>R</b> : Redundant, <b>P</b> : PSU, <b>T</b> : High performance				
Controller		Single controller				
CPU		Intel® Atom® 4 Core		Intel® Pentium® 4 Core	Intel® Xeon® 4 Core (GSe Pro 3012/3016) Intel® Xeon® 6 Core (GSe Pro 3012 <b>T</b> /3016 <b>T</b> )	
Cache Memory		DDR3 4GB (non-ECC) Expandable to 16GB		DDR4 4GB (non-ECC) Expandable to 64GB (GSe Pro 3008RP, GSe Pro 3012/3016) DDR4 8GB (non-ECC) Expandable to 64GB (GSe Pro 3012/3016 <b>T</b> )		
Supported Drives		• 2.5" SATA SSD    • 3.5" 6Gb/s SATA 7,200 RPM HDD				
Max. Drives Number		4	8	448		
Max. SSD Cache Pool		1TB		1.6TB	3.2TB	
Onboard USB Ports		2 x USB 2.0 + 2 x USB 3.0		1 x USB 3.0		
Onboard 1GbE Ports (RJ-45)		4				
Max. Host Board Slots		-		2		
Max. Expansion Board		-		1		
				Note: The expansion board can only be installed in the HB2 slot and has 12Gb/s SAS x 2 ports only connectable with expansion enclosures.		
Host Board Options		-		• 16Gb FC x 4 • 32Gb FC x 2 • 32Gb FC x 4	• 1GbE (RJ-45) x 4 • 10GbE (RJ-45) x 2 • 10GbE (SFP+) x 2	• 40GbE (QSFP+) x 2 • 12Gb/s SAS x 2
Max. 16Gb/s FC Ports		-		8		
Max. 32Gb/s FC Ports		-		8		
Max. 1 GbE Ports		-		12		
Max. 10GbE Ports (RJ-45)		-		4		
Max. 10GbE Ports (SFP+)		-		4		
Max. 40GbE Ports (QSFP+)		-		4		
Max. 12Gb/s SAS Ports		-		4		
Expansion Enclosure (JBOD)		-		• JB 3012SA   • JB 3016SA   • JB 3024SBA   • JB 3025SBA   • JB 3060GL		
Dimensions (without Chassis Ears/Protrusions) (W x H x D)		447 x 43.5 x 450mm	449 x 88 x 450mm	449 x 88 x 450 mm	447 x 88 x 500 mm	447 x 130 x 500 mm
Package Dimensions (W x H x D)		590 x 130 x 682mm	590 x 190 x 682mm	590 x190 x 682 mm	780 x 379 x 588 mm	780 x 423 x 588 mm
Power Supply Unit	Power Supplies (Redundant/Hot-swappable)	250W (80 PLUS Bronze)			530W x 2 (80 PLUS Bronze)	
	AC Voltage (with PFC(Auto-switching))	100VAC @5A to 240VAC @2.5A			100VAC @10A to 240VAC @5A	
	Frequency	50-60 Hz				
Safety Standard		• Electromagnetic Compatibility : CE, BSMI, FCC    • Safety : UL, BSMI, CB				

## SOFTWARE SPECIFICATIONS

Max. Logical Drives Number		32
Max. Logical Drives Capacity		512 TB
Configurable Stripe Size		16KB, 32KB, 64KB, 128KB, 256KB, 512KB, or 1024KB per logical drive
Configurable Writes Policy		Write-Back or Write-Through per logical drive. This policy can be modified.
Max. Pool Size		2PB
Max. Pool Number		32
Max. Volume Size		2PB
Max. Volume Number (per pool/per system)		1024
Max. Host LUN Mapping Number		4096
Max. Reserved Tag Number per Host-LUN Connection		Up to 256
Max. iSCSI Initiators (per controller)		832
Max. Host Connection Number (per FC)		128
RAID Options		RAID 0, RAID 1, RAID 3, RAID 5, RAID 6, RAID 10, RAID 30, RAID 50, RAID 60
Protocol Support	File Level Protocol	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)
	Block Level Protocol	FC, iSCSI, SAS
	Object Level Protocol	RESTful API
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)	<ul style="list-style-type: none"> <li>• 16 GB memory: 200</li> <li>• 32 GB memory: 512</li> <li>• 64 GB memory: 1024</li> <li>• 128 GB memory: 2048</li> </ul>
Management	<ul style="list-style-type: none"> <li>• User account management</li> <li>• Group management</li> <li>• Folder management - folder access control</li> <li>• Quota management</li> </ul>	<ul style="list-style-type: none"> <li>• Integration with Microsoft Active Directory (AD) and LDAP</li> <li>• Folder encryption with AES</li> <li>• Web-based EonOne management software</li> <li>• Storage Resource Management to analyze history records of resource usage</li> </ul>
Availability and Reliability	<ul style="list-style-type: none"> <li>• Hot-swappable hardware modules</li> <li>• Device mapper support</li> <li>• Antivirus</li> <li>• Trunk group support</li> </ul>	<ul style="list-style-type: none"> <li>• Cache Safe technology</li> <li>• UPS</li> <li>• WORM (For file level only)</li> <li>• SMB Multichannel</li> </ul>
Notification	<ul style="list-style-type: none"> <li>• Email</li> <li>• SNMP traps</li> </ul>	
Applications	<ul style="list-style-type: none"> <li>• File explorer</li> <li>• Syslog server</li> <li>• LDAP serve</li> <li>• Proxy server</li> <li>• VPN server</li> <li>• Docker</li> </ul>	
Cloud Feature	EonCloud Gateway supports the integration with following cloud providers: Amazon S3, Microsoft Azure, Alibaba Cloud, OpenStack, Baidu Cloud, Google Cloud, Tencent Cloud, Wasabi Cloud, etc. For complete information about cloud provides support, please refer to EonCloud Gateway webpage	
OS Support	Microsoft Windows Server ,Ret Hat Enterprise Linux, Mac OS X, VMware	
	Note: For OS version support, please refer to the compatibility matrix.	

## DATA SERVICE

Self-encrypting Drives		Unique factory encryption secures data plus makes deletion simple and complete	
Thin Provisioning (Block-Level) (default included)		"Just-in-time" capacity allocation optimizes storage utilization and eliminates allocated but unused storage space	
Local Replication	Snapshot	Snapshot images per source volume	Standard License: 64 / Advanced License: 256
		Snapshot images per pool	Standard License: 128 / Advanced License: 4096
	Volume Copy/Mirror	Replication pairs per source volume	Standard License: 4 / Advanced License: 8
		Replication pairs per system	Standard License: 16 / Advanced License: 256
	Note: Standard license is included by default and advanced is an optional license		
Remote Replication (Block level)(optional)	Replication pairs per source volume: 8		
	Replication pairs per system: 64		
	Note: 1. The maximum number of replication pair per source volume is up to 8, regardless of remote asynchronous/remote synchronous/local volume pairs. 2. 4 x 16Gb FC and 2/4 x 32Gb FC host boards do not support Remote Replication.		
Remote Replication (File Level)		Support Rsync with 128-bit SSH encryption	
Automated Storage Tiering (optional)	2 or 4 storage tiers based on drive types		
	SSD supports		
	Automated data migration with scheduling options		
SSD Cache(Default Included)	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: 400GB	
	DRAM:16GB	Max SSD Cache Pool Size: 600GB	
	DRAM:32GB	Max SSD Cache Pool Size: 1,000GB	
	DRAM:64GB	Max SSD Cache Pool Size: 1,600GB	

## WARRANTY AND SERVICE

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 or Extension Options	Warranty extension: Can extended standard service up to 5 years The following Service can be upgraded to 5 years	
		<ul style="list-style-type: none"> <li>• Upgrade: Replacement part dispatch on the next business day</li> <li>• Advanced service: 24x7 phone, web, and email support + onsite diagnostics on the next business day</li> <li>• Premium service: 24x7 phone, web, and email support + onsite diagnostics in 4 hours</li> </ul>	
		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	

Thailand : E-Rong Consultants Co.,Ltd. | Tel : 02-664-6588 | E-mail : sales@e-rong.co.th

www.e-rong.co.th  
E-mail : sales@e-rong.co.th  
Line official ID:@e-rongconsultants



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E-Rong Consultants Co., Ltd.  
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## EonStor GSe Pro Desktop Series

### Unified Storage for Workgroup/SMB



- Multiple operating systems file sharing
- Integrating SAN, NAS, and Cloud in one system
- Featuring quad-core processor and dual 10GbE SFP+ ports



### HIGHLIGHTS

- Features a whisper-quiet compact design that fits in any office space
- Unified Storage that combines SAN, NAS, and Cloud in one system
- Hybrid Drive technology that supports both SSD and HDD
- High performance with multi-core CPU, high-speed 10 GbE port, and up to 32 GB RAM support
- High expandability with diverse host options and connections of up to 40 drives via expansion enclosures
- Easy storage management and complete data services
- Future-proof cloud expansion with optional cloud gateway
- 3 years limited warranty

Designed and suitable for small offices, EonStor GSe Pro Desktop Series (GSe Pro 100 & 200) features a whisper-quiet compact design and packed with high-end Enterprise features. Its hardware is comprised of powerful multi-core processors and high-speed Ethernet ports to that deliver optimum performance, and Hybrid Drive technology that supports both SSD and HDD. Users can easily configure and manage data services such as SSD cache via a centralized and user-friendly management tool. With NAS, SAN, and Cloud integrated in one Unified Storage, GSe Pro Desktop Series allows SMBs and SMEs to run applications whether from data storage, file sharing, or cloud storage in both file and block-levels. GSe Pro Desktop Series also offers 3-years of limited warranty.

#### Easy File Sharing and Storage Management

GSe Pro Desktop Series supports cross-platform CIFS, SMB, NFS, AFP, and FTP folder sharing for an easier and speedier file access. Day-to-day operations such file storage, backup, sharing, synchronization, and more are achievable. Also, storage management is hassle-free via EonOne, a user-friendly management tool. Setup wizard makes storage configurations like storage provisioning, Snapshot, scheduled backup, and cloud integration more intuitive. Built-in applications such as Proxy, LDAP, Syslog, VPN, and NVR servers offer versatile deployments for SMBs.

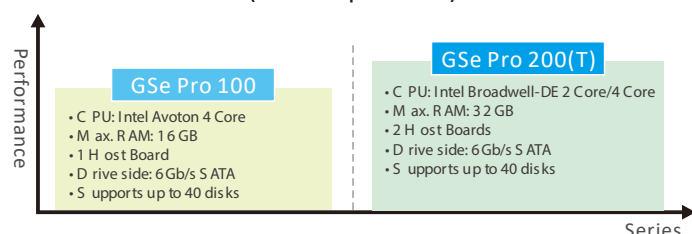
#### High Expandability and Performance

GSe Pro Desktop Series offers expandable connectivity options, including 1 GbE RJ-45, 10 GbE RJ-45, 10 Gb SFP+, 8 Gb FC and 16 Gb FC. Users can also expand the capacity up to 40 drives via an expansion enclosure with high-speed 12 Gb/s SAS interface. With the high performance multi-core CPU, EonStor GSe Pro Desktop Series can meet IOPS/throughput demanding applications such as virtualization, database, video editing, backup, and email servers.

#### Future-Proof Cloud Expansion

The optional EonCloud Gateway connects the GSe Pro Desktop Series to major cloud storage services such as Amazon S3, Microsoft Azure, OpenStack Swift, and Alibaba Cloud. For example, you can set up Cloud Backup to ensure your data is well-protected, or enable Cloud Cache to speed up cloud file access.

### GSe Pro (Desktop Series) Portfolio



Specifications (per system)		GSe Pro 100	GSe Pro 200 GSe Pro 200T <sup>*1</sup>
Form factor	5-bay desktop	V	V
	8-bay desktop	V	V
Controller		Single	Single
Max drives		40	40
Max SSD cache pool		400GB	800GB
Power supply unit	Power supplies	250W (80 PLUS Bronze)	250W (80 PLUS Bronze)
	AC voltage (with PFC (auto-switching))	100VAC @ 3.5A to 240VAC @ 3.5A	100VAC @ 3.5A to 240VAC @ 3.5A
	Frequency	47-63 Hz	47-63 Hz
CPU		1 x Intel Avoton (Atom) 4 Core 2.40GHz	1 x Intel Broadwell-DE (Pentium) GSe Pro 200/200T: 2 Core 2.20 GHz / 4 Core 1.60 GHz
Cache memory		DDR3 4GB (non-ECC) Expandable to 8/16 GB	DDR4 8GB (non-ECC) Expandable to 16/32 GB
Memory slot		2	2
Driver side		SATA 6G	SATA 6G
Max. number of host board		1	2
Expansion board		1	1
		<b>Note:</b> 1. The expansion board has 2 x 12Gb/s SAS ports only connectable with expansion enclosures. 2. For GSe Pro 200, the expansion board can only be installed in the HB2 slot.	
Onboard USB ports		2 x USB 2.0 2 x USB 3.0	2 x USB 3.0 2 x USB 3.1 Gen2
Onboard iSCSI ports (10Gb SFP+)		0	2
Onboard iSCSI ports (1Gb RJ-45)		4	2
Host board ports		4 x 1Gb/s iSCSI ports 2 x 10Gb/s iSCSI ports (RJ-45) Converged host board: - 4 x 8Gb/s FC ports - 2 x 16Gb/s FC ports - 4 x 10Gb/s iSCSI ports (SFP+)	4 x 1Gb/s iSCSI ports 2 x 10Gb/s iSCSI ports (RJ-45) 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+)
		<b>Note:</b> Fibre channel supports point-to-point and switch mode.	
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)		416	
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	1024 (NFS/CIFS/FTP)   255 (AFP)	
	Max. number of rsync jobs	1024	
	Max. number of rsync concurrent processes	64	
RAID options	Max. number of concurrent connections(NFS/CIFS/AFP/FTP)	• 16 GB memory: 200 • 32 GB memory: 512	
		RAID 0, 1, (1+0), 3, 5, 6, 10, 30, 50, 60	
Protocol support	File Level Protocol Block Level Protocol Object Level Protocol	CIFS/SMB (Version 2.0/3.0), NFS (Version 2/3/4), AFP (Version 2.2.2), FTP/FXP (vsftp 2.3.4), WebDAV (httpd package 2.4.6) FC, FCoE, iSCSI, InfiniBand, SAS RESTful API	
EonCloud Gateway		Support the integration with following cloud providers: Amazon S3, Microsoft Azure, Alibaba AliCloud, 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 • Safety : UL, BSMI, CB	• Electromagnetic Compatibility : CE, BSMI, FCC • Safety : UL, BSMI, CB, EAC

\*1. Model name "T" means high performance

## PHYSICAL SPECIFICATIONS

## EonStor GSe Pro Desktop Series

### GSe Pro 100

Form Factor	5-bay desktop	8-bay desktop
Available Models	GSe Pro 105	GSe Pro 108
Supported drives	2.5" SATA SSD 3.5" SATA HDD	2.5" SATA SSD 3.5" SATA HDD
	<b>Note:</b> For the latest compatibility details, refer to our official website for the latest EonStor GSe Pro Compatibility Matrix.	
Max. drives number	37	40
Dimensions (Without chassis ears/ protrusions)	255mm (W) x 168mm (H) x 254mm (D)	345mm (W) x 168mm(H) x 254mm (D)
	<b>Note:</b> Default depth is 254mm, and 259mm with host board.	
Package Dimensions	363mm (W) x 269mm (H) x 366mm (D)	456mm (W) x 269mm (H)x 366mm (D)
Expansion enclosure (JBOD)		JB 208

### GSe Pro 200

Form Factor	5-bay desktop	8-bay desktop
Available Models	GSe Pro 205 GSe Pro 205T	GSe Pro 208 GSe Pro 208T
	<b>Note:</b> T: High performance	
Supported drives	2.5" SATA SSD 3.5" SATA HDD	2.5" SATA SSD 3.5" SATA HDD
	<b>Note:</b> For the latest compatibility details, refer to our official website for the latest EonStor GSe Pro Compatibility Matrix.	
Max. drives number	37	40
Dimensions (Without chassis ears/ protrusions)	255mm (W) x 168mm (H) x 254mm (D)	345mm (W) x 168mm(H) x 254mm (D)
	<b>Note:</b> Default depth is 254mm, and 259mm with host board.	
Package Dimensions	363mm (W) x 269mm (H) x 366mm (D)	456mm (W) x 269mm (H)x 366mm (D)
Expansion enclosure (JBOD)		JB 208

## PHYSICAL SPECIFICATIONS

## Expansion Units

### JB Pro 208

Form Factor		8-bay desktop		
Power supplies		250W (80 PLUS Bronze)		
Host connectivity		2 x 12GB/s SAS		
Drive connectivity		12GB/s SAS		
Corresponding models		GSe Pro 105 GSe Pro 108	GSe Pro 205 GSe Pro 205T	GSe Pro 208 GSe Pro 208T
Service / support	Standard service	3-year limited hardware warranty and 8x5 phone, web, and email support (Batteries are covered under warranty for 2 years)		
		<b>Warranty extension:</b> Can extended standard service up to 5 years		
	Upgrade/Extension service (optional)	<b>Service upgrade:</b> Replacement part dispatch on the next business day (Can be upgraded to 5 years) • <b>Advanced service:</b> 24x7 phone, web, and email support + onsite diagnostics on the next business day (Can be upgraded to 5 years) • <b>Premium service:</b> 24x7 phone, web, and email support + onsite diagnostics in 4 hours (Can be upgraded to 5 years)		
		<b>Note:</b> Options may vary by region. For more details, please contact our sales representatives.		
	Infortrend Technical Support	Request Support, Knowledge Base, Download Center, Licensing Service, and News		

## Data Service

Self-encrypting drives	Unique factory encryption secures data plus makes deletion simple and complete		
Thin Provisioning	"Just-in-time" capacity allocation optimizes s storage utilization and eliminates a llocated but unused storage space		
Local Replication	Snapshot	Snapshot images per s source volume Snapshot images per system	Standard License: 64 / Advanced License: 256 Standard License: 128 / Advanced License: 4096
	Volume Copy/Mirror	Replication pairs per s source volume Replication pairs per system	Standard License: 4 / Advanced License: 8 Standard License: 16 / Advanced License: 256
	Note: S standard license is i ncluded by default and advanced is a n optional licens e		
Remote Replication(Block level) (optional)	Replication pairs per s 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) s storage tiers based on drive types SSD supports		
SSD Cache	<ul style="list-style-type: none"><li>Accelerating data access for random read-intensive environments , s uch as OLTP</li><li>S upports up to four SSDs per controller</li><li>R ecommended 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</li></ul>		
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 cloud. 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	Standard license is included by default. Can be upgraded to EonCloud Enterprise version					
	Note: GSe Pro family does not support the EonCloud 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)		Default(LRU)	
	Default(LRU)	No applicable	Low priority		Low priority	
	Low priority	Local only	High priority		High priority	
	High priority	Prepopulated	90 days trial for others		Uncacheable for read	
	Uncacheable for read	Sequentially-preallocate			Uncacheable for write	
	Uncacheable for write					
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 &amp; Support

Access right management	<ul style="list-style-type: none"> <li>User account management</li> <li>Quota management</li> </ul>	<ul style="list-style-type: none"> <li>Group management</li> <li>Integration with Windows AD and LDAP</li> </ul>	<ul style="list-style-type: none"> <li>Folder management - folder access control</li> <li>Folder encryption with AES</li> </ul>	<ul style="list-style-type: none"> <li>NVR server</li> </ul>
Availability and reliability	<ul style="list-style-type: none"> <li>Device mapper support</li> <li>Trunk group support</li> </ul>	<ul style="list-style-type: none"> <li>Multi-pathing support</li> <li>UPS</li> </ul>	<ul style="list-style-type: none"> <li>Antivirus</li> <li>WORM(For file level only)</li> </ul>	
Management	<ul style="list-style-type: none"> <li>Web-based EonOne management software</li> <li>Automated cache flush and caching mode operation per enclosure status</li> <li>Module status LED indicators: component presence detection &amp; thermal sensors via I2C bus</li> <li>Storage Resource Management to analyze history records of resource usage</li> <li>Automate repeatable management tasks by flexible workflow</li> </ul>			
Notification	Email, SNMP traps File explorer Proxy server Syslog server VPN server LDAP server Docker NVR server Recommended IP Cam quantity and memory configuration			
OS support	Microsoft Windows Server 2008 / 2008 R2 / 2012 / 2012 R2, 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			
	Standard service			
	3-year limited hardware warranty and 8x5 phone, web, and email support (Batteries are covered under warranty for 2 years)			
Service / support	Upgrade/Extension service Warranty extension: Can extended standard service up to 5 years Service upgrade: Replacement part dispatch on the next business day (Can be upgraded to 5 years)			
	Advanced service: 24x7 phone, web, and email support + on-site diagnostics on the next business day (Can be upgraded to 5 years) Premium service: 24x7 phone, web, and email support + on-site diagnostics in 4 hours (Can be upgraded to 5 years)			
	<b>Note:</b> Options may vary by region. For more details, please contact our sales representatives.			
Infotrend Technical Support	Request Support, Knowledge Base, Download Center, Licensing Service, and News			

Model	GSe Pro 100	GSe Pro 200	GSe Pro 200T
Max. IP Cam Supported	16	32	64
Memory Configuration (or above)	4GB	8GB	16GB

Thailand : E-Rong Consultants Co.,Ltd. | Tel : 02-664-6588 | E-mail : sales@e-rong.co.th

www.e-rong.co.th  
 E-mail : sales@e-rong.co.th  
 Line official ID:@e-rongconsultants



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