



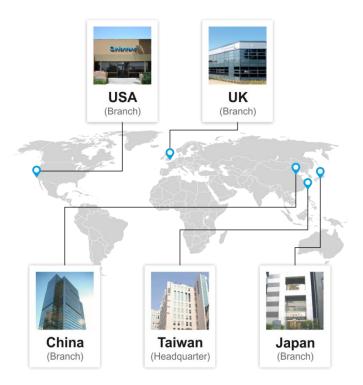
Infortrend Fact Sheet

• Established: 1993

• Publicly Listed: 2002

• Headquarter: Taipei, Taiwan

• Worldwide Employees: 500





Why Infortrend

- 30 years of experience in developing high-performance RAID storage solutions
- Deployed more than 1,000,000 world-wide rack-mounted systems
- Dedicated focus on R&D Time to Market
- 300+ engineers dedicated to R&D to deliver superior products
- Price-Performance leader in the market
- All products designed and manufactured in-house





High Quality from Design to Manufacturing









Total Quality Management (TQM)

- Implement TQM in design, supply chain, manufacturing, and quality management
- Weekly quality review is driven by the top management team

Process Control Methodology

- Foolproof software automation for production testing
- Six sigma process control methodology

Shop Floor Control and Traceability

- Forward / backward traceability and up to PCBA component level
- Foolproof routing control for operation and service

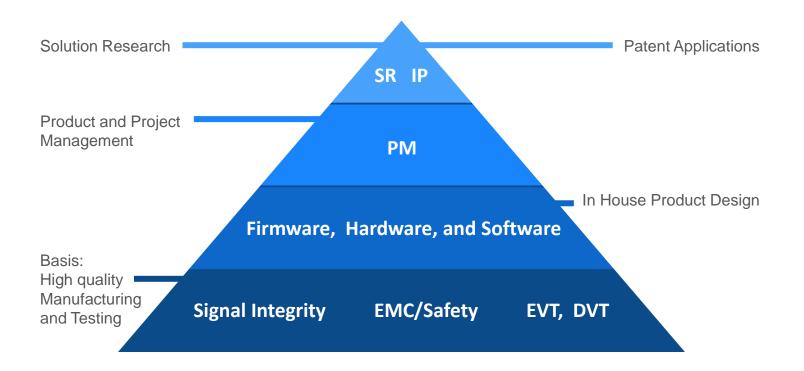
Close Loop Corrective Action

- Web-based integrated CAR (corrective action request) system
- Benchmark 8D problem-solving methodology



Dedicated Focus on R&D

Total 300+ technical staff





Worldwide Achievements & Recognitions

- Infortrend recognized as a vendor in Gartner's Magic Quadrant for Primary Storage from 2010~2019
- Infortrend awarded Editor's Choice Company by Storage Magazine in 2020
- EonStor GS Gen2 awarded Cloud Product of the Year by Storage Magazine in 2020
- EonStor GSa all-flash SAN-in-a-box won Best of Show Award at 2019 NAB Show
- EonStor GSa 2024 received a 5-star review along with Editor's Choice Award from IT Pro in 2019
- Infortrend listed in 10 Most Promising Storage Solution Providers by CloReview in 2018
- Infortrend listed in 20 Most Promising Storage Solution Providers by CloReview in 2017
- EonStor DS 4024B ranked #2 worldwide in Top 10 SPC-2 by Price-Performance









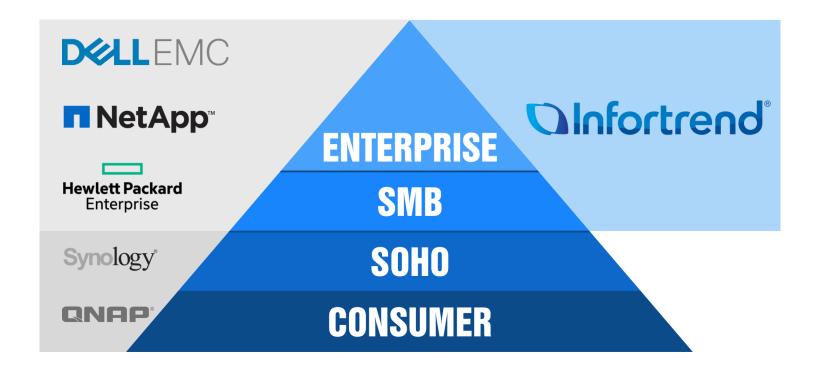








Market Position

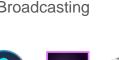


Vertical Markets



Media & **Entertainment**

- 4K/8K VFX/ Video Editing
- Rendering/ Coloring
- Broadcasting







High Performance Computing

- Al & Machine Learning
- Government / Academic research center



Surveillance / Backup

- Massive & seamless scale-out capability
- Milestone certified solution









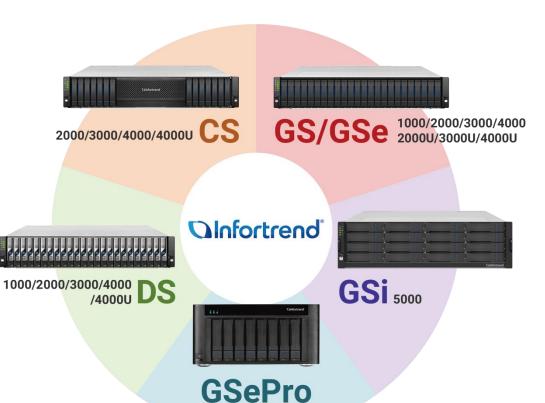






Portfolio

- Scale-Out NAS
 EonStor CS storage family
- Unified Storage (SAN+NAS)
 EonStor GS/GSe storage family
- SAN Storage
 EonStor DS storage family
- Al Storage Appliance
 EonStor GSi storage family
- Entry Commercial NAS
 EonStor GSe Pro storage families



100/200/1000/3000



CS Introduction

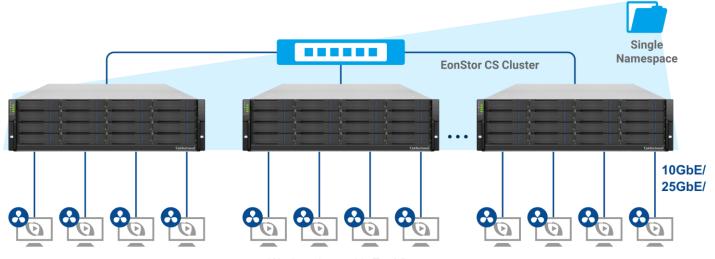




EonStor CS Family

The most valued and reliable scale-out network attached storage





Workstations with EonView



High Performance and Capacity

EonStor CS is a Scale-out NAS system, which supports horizontal scalability (Scale-out) by adding more devices, linearly expanding both capacity and performance as the system grows. The entire cluster can reach up to 100+ GB/s read/write speed and 100+ PB capacity.



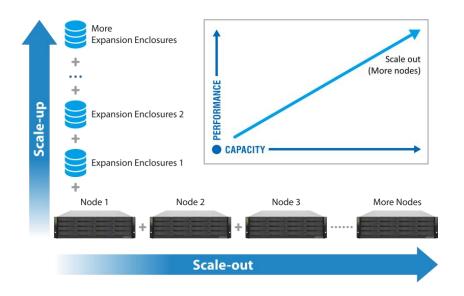






High Scalability

- Horizontal scalability (Scale-out)
 - Connecting more devices (nodes) to increase both capacity and performance
 - Up to 144 nodes
- Vertical scalability (Scale-up)
 - Adding disk drives to an existing system via JBOD to increase capacity
 - Up to 120 HDDs per node





High Scalability

3 Scale-out modes

• CS offers 3 kinds of scale-out modes for different applications

1. Replica (x3)	for critical data	File A	File A	File A
2. Erasure code (2+1)	for archiving data	File A-1	File A-2	File A (Parity)
3. Distributed mode (Infortrend exclusive)	for general data	File A	File B	File C



EonStor CS Family Overview

Maximum Performance

CS 2000



- For Essential Backup/Archive
- 4U 60-bay

CS 3000



- Cost/performance Scale-out NAS
- 3U16, 4U24-bay

CS 4000



- High performance solution
- Supports SSD node with 2U25-bay
- 2U25, 3U16, 4U24, 4U60bay

CS 4000U



- High performance solution
- Supports U.2 NVMe SSD
- 2U14-bay



Case Study: Post-Production House

Challenges

Insufficient performance and capacity of the existing storage system

Applications

4K/HD video editing for a studio with more than 30 users

System Requirements

- Performance: Read & Write ≥ 5GB/s

- Capacity: 650TB usable

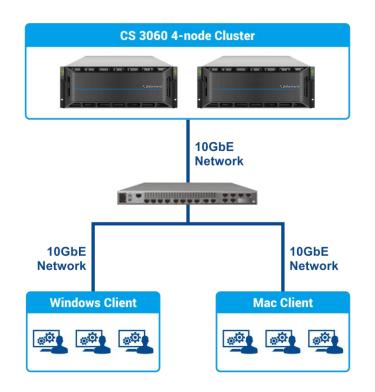
- Protocol: SMB/CIFS

• Why Infortrend?

- High Performance: Read/Write = 5.9/5 GB/s

- Data Protection: EC 2+1, RAID 5

- Model: CS 3060D x 2 (4 nodes) with 120 HDDs





GS Introduction





Infortrend GS Overview



GS Family

Scale-out High Availability Unified Storage

- High availability solution designed for enterprises
- Support block and file scale-out with up to 4 GS
- Support U.2 SSD, SAS SSD or HDD drive interface
- Support 100GbE RDMA
- Built-in EonCloud gateway standard license



GSe Family

Scale-out Unified Storage

- Unified storage designed for SMB
- Support block and file level scale-out with up to 4 GS
- Support U.2 SSD, SAS/SATA SSD or HDD drive interface
- Support 100GbE RDMA
- Built-in EonCloud gateway standard license



GSe Pro Family

Entry-level Unified Storage

- Unified systems deliver stable performance and NAS services within affordable budgets
- Single controller with SATA or SAS drive interface
- Built-in EonCloud gateway standard license



EonStor GS Advantage



Power Outage Backup



BBU + Flash SuperCap + Flash

Nondisruptive Operations



HA Service Redundant Design

Scale-out





Block level, File level



High Reliability

Flexibility



Data Protection



RAID Snapshot Volume copy

Open Drive Policy



Tier – 1

Drive Qualification



WD MICTON

Multiple Expansion Enclosures



2U: 12, 24, 25-bay

3U: 16-bay **4U:** 60, 90-bay







EonStor GS - SAS HDD Series Overview

Performance / Scalability

GS 1000



- 448 Drives
- R/W=5.7/2.4 GB/s (block)
 R/W=2.5/0.75 GB/s (file)
- 2U12, 3U16, 4U24-bay

GS 2000



- 896 Drives
- R/W=11/4.3 GB/s (block) R/W=5.9/2.6 GB/s (file)
- 2U12, 3U16, 4U24-bay

High Density





- 896 Drives
- R/W=16/10 GB/s (block)
 R/W=12.5/3.6 GB/s (file)
- 2U12, 3U16, 4U24, 4U40, 4U60, 4U90-bay

High Density

GS 4000 G3



- 896 Drives
- R/W=16/12 GB/s (block)
 R/W=14.5/5.5 GB/s (file)
- 2U12, 3U16, 4U24, 4U40, 4U60, 4U90-bay



EonStor GS - U.2 NVMe Hybrid-Flash Series Overview

100 GbE **GS 4000U** 100 GbE **GS 3000UT** Scalability **GS 3000U** • 896 Drives • 1100K IOPS R/W=24/12 GB/s (block) **GS 2000U** • 896 Drives R/W=18/6 GB/s (file) Performance 950K IOPS 896 Drives • 2U24, 4U48 R/W=24/10 GB/s (block) • 1000K IOPS R/W=15/5.2 GB/s (file) R/W=11.8/7.5 GB/s (block) • 2U24, 4U48 • 896 Drives R/W=9/3.5 GB/s (file) • 600K IOPS • 2U24 R/W=11/7 GB/s (block) R/W=4.2/1.3 GB/s (file) • 2U24



EonStor GSe - SAS HDD Series Overview

Scalability Performance / **GSe 1000** • 448 Drives

• R/W=2.8/0.9 GB/s (block) R/W=1/0.4 GB/s (file)

GSe 2000



- 896 Drives
- R/W=5.5/2.6 GB/s (block)

High Density

GSe 3000 G3



- 896 Drives
- R/W=8/5 GB/s (block) R/W=6.3/1.8 GB/s (file)
- 2U12, 3U16, 4U24, 4U40, 4U60, 4U90-bay

High Density

GSe 4000 G3



- 896 Drives
- R/W=8/5.8 GB/s (block) R/W=7.3/2.6 GB/s (file)
- 2U12, 3U16, 4U24, 4U40, 4U60, 4U90-bay



EonStor GSe - U.2 NVMe Hybrid-Flash Series Overview





DS Introduction





EonStor DS at a glance

Excellent price/performance SAN storage for various environments



IOPS-intensive Applications

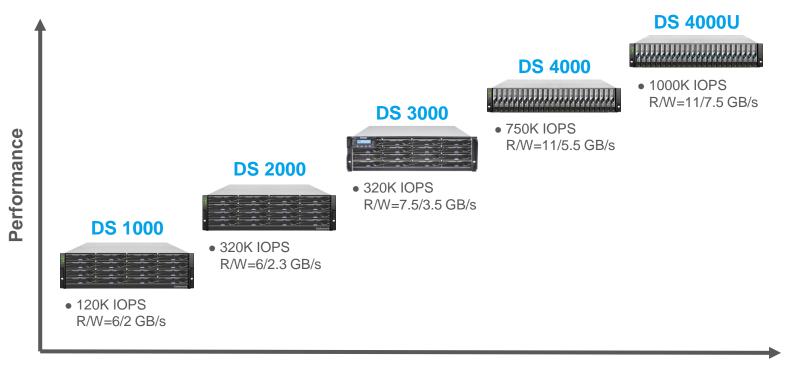
Server Virtualization, Virtual Desktop Infrastructure (VDI), Database, Online Transaction Processing, etc.

Cost-sensitive Solution

Surveillance, Mail server, Backup



EonStor DS Family Overview





EonStor DS Advantages

- Multiple form factor choices
 High-density 4U 60-bay form factor for limited rack space
- High cost/performance value
 Up to 5.3PB capacity from entry-level DS 1000 Gen2 series
- High availability solution
 - Automatically recovers bad sectors, extends drive life, and prevents rebuild by intelligent media scan mechanism
 - Redundant components
 - Cache Backup Technology





Learn More







THANK YOU



