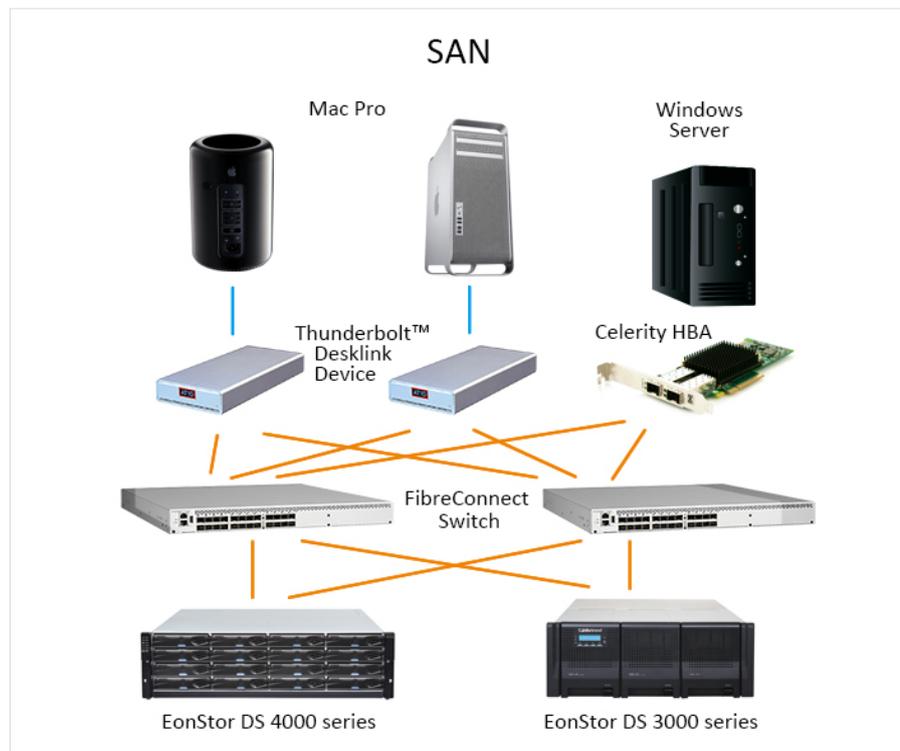# Media and Entertainment Solutions

Solution Benefits:

- Enhance UHD (4K) video and media applications with fast, reliable, and flexible high-end storage
- Complete projects and meet deadlines with reduced downtime
- Easily expandable and managed storage that simplifies demanding tasks and applications
- Boost system performance and improve productivity by load balancing across multiple Fibre Channel paths

Optimize content creation with high-performance and reliable storage solutions

With the rapid evolution of the media industry, content creators are challenged to deal with more complex projects, files of larger sizes and a growing variety of formats and resolutions. Ideal media storage solutions are expected to provide high performance, stability, reliability and scalability to enable high-speed and non-disruptive workflow from acquisition, post-production to delivery.

Infortrend storage systems meet these demands with proven throughput power, AV-optimized features, high fault-tolerance and easy scalability for improved IT efficiency. In SAN and DAS or even NAS environments, Infortrend storage solutions easily enable media content creators to dynamically optimize productivity.

SAN

Mac Pro — Windows Server — Thunderbolt™ Desklink Device — Celerity HBA — FibreConnect Switch — EonStor DS 4000 series — EonStor DS 3000 series

Powerful RAID systems redefine mid-range performance, featuring dual host boards and 12Gb/s SAS integration

Infortrend's EonStor DS 4000 series has set new milestones in performance excellence and innovation, reaching 11,000MB/s read and 4,200MB/s write to easily handle even the most demanding applications. This is leading performance in the mid-range enterprise storage segment, giving you maximum return on investment.

Additionally, Infortrend systems feature a dual host board design to increase hybrid interface flexibility, combining Fibre Channel, SAS, and iSCSI for SAN, IP SAN, and DAS on the one efficient system. High speed 12Gb/s SAS is fully integrated drive-side and host-side. Systems scale up to 436 drives and offer comprehensive services for backup, security, data integrity, and recovery.

Infortrend

Fully-featured systems with modular host boards for high performance SAN/DAS applications

From 2U 12-bay to 4U 60-bay systems, the EonStor DS 3000 series ensures enterprises have access to storage with future-proof design. Modular hardware means redundancy and easy upgrades, while fast performance allows for speedy operations such as volume rebuild. The user-friendly SANWatch 3.0 interface joins smart media scan and free thin provisioning to offer a complete data services package. For scalability, a range of JBOD enclosures can host up to 360 drives and 2.1PB capacity.

Choose from 8Gb/s or 16Gb/s Fibre Channel, 1Gb/s or 10Gb/s iSCSI, 6Gb/s SAS or 12Gb/s SAS host interfaces. Systems are especially optimized for SSD, with 4-level storage tiering, SSD Cache, drive wear detection, and even hybrid 2.5"/3.5" trays.

	EonStor DS 3000	EonStor DS 4000
Product positioning	Standard applications	Mid-range level applications
Form Factor	2U12Bay/3U16Bay/4U24Bay SFF:2U24Bay High density: 4U48Bay/4U60Bay	3U16Bay
Standard Host Interface	1Gb iSCSIx2/4 (varies by model)	1Gb iSCSIx2
Host board modular design	Single host board	Dual host board
Optional Host Interface	8Gb/16Gb FC 1Gb/10Gb iSCSi 6G/12G SAS	8Gb/16Gb FC 10Gb iSCSi 12G SAS
Max. Cache size (per CTRL)	16GB	16GB
Expansion Unit Support	up to 360 disks	up to 436 disks
Performance		
HD/2K/4K format	(1) **Up to 4*Read or 1*Write streams by 4K** (2) **Up to 8*Read or 4*Write streams by 2K** 56*NL-SAS(RAID 6) (FC, iSCSI 10G) 1*EonStor DS 4U24Bay + 2*JBOD(3U16Bay) or 1*EonStor DS 4U60Bay	(1) **Up to 8*Read or 2*Write streams by 4K** 96*NL-SAS 12Gb/s drives (RAID 6) (FC, iSCSI 10G) 1*EonStor DS 3U16Bay + 5*JBOD(3U16Bay)
MBPS throughput (R/W)	5500/2000	11000/4000
All Cache-Hit IOPS	1.0M / 1.3M (DS 3000/3000T)	1.3M

Comprehensive connectivity solutions from server to storage for high performance SAN applications

ATTO offers businesses of all sizes an unparalleled range of storage infrastructure and connectivity solutions. From host bus adapters (HBAs) and bridges to RAID storage controllers and acceleration software, ATTO's products are designed to efficiently and cost-effectively help customers manage, store and deliver their data. Leveraging new storage architectures and transport protocols, ATTO's products deliver blazing-fast performance, one-click installation and smooth data streaming.

- Celerity^{TM} HBAs & ExpressSAS^{TM} RAID Adapters
- ThunderLink^{TM} Desklink Devices – Thunderbolt
- FibreConnect Switches

ATTO's Advanced Data Streaming (ADS™) technology provides the fastest, most consistent time-to-data, delivering best-in-industry aggregate bandwidth. The ATTO Config Tool™ provides easy configuration and simplified management of multiple paths to storage.

About Infortrend:

Founded in 1993, Infortrend Corporation (Public TPE: 2495) is a leading provider of high-performance networked storage solutions focusing on quality, reliability, choice and value. Fully dedicated to storage solutions, Infortrend has a strong technological foundation that includes one of the best R&D teams in the industry. Our expertise covers all aspects of storage systems, including hardware, firmware, software and system integration. To ensure product excellence, Infortrend systems are designed and manufactured in-house.

About ATTO:

Since its founding in 1988, ATTO Technology, Inc., headquartered in Amherst, New York, has positioned itself as a global leader in storage connectivity and infrastructure solutions for data-intensive computing environments. It is our vision to provide a wide range of end-to-end solutions to help customers better store, manage and deliver their data. Our company's experience in engineering advanced technology into real-world product solutions provides customers with a unique competitive advantage.

Infortrend®

Infortrend Technology, Inc.

Asia Pacific (Taipei, Taiwan)	China (Beijing,China)	Japan (Tokyo,Japan)	Americas (Sunnyvale, CA, USA)	EMEA (Basingstoke, UK)
Infortrend Technology, Inc.	Infortrend Technology, Ltd.	Infortrend Japan, Inc.	Infortrend Corporation	Infortrend Europe Ltd.
Tel:+886-2-2226-0126	Tel:+86-10-6310-6168	Tel:+81-3-5730-6551	Tel:+1-408-988-5088	Tel:+44-1256-305-220
E-mail:sales.ap@infortrend.com	E-mail:sales.cn@infortrend.com	E-mail:sales.jp@infortrend.com	E-mail:sales.us@infortrend.com	E-mail:sales.eu@infortrend.com