PIXi Extreme
Performance Scalability Reliability

When working in content creation, fast and reliable storage is vital. Fibrenetix PIXi Extreme RAID systems meet this need with groundbreaking performance, scalability and reliability.

Designed and optimized for HD work environments, the PIXi range of affordable disk arrays combine state of the art storage enclosures supporting both SAS and SATA-II drives with high-performance PCIe RAID technology.

Unlike Fibre Channel, SCSI, Firewire and eSATA RAID storage, the PIXi Extreme features direct connection to your workstation via a PCIe 8 lane card. Each PCIe lane has speeds of up to 250MB/s per lane, enabling bandwith for ultra fast data transfer between the storage system and the host computer.

AJA System Tests performed with 16-bay PIXi storage system, with 16x Seagate 1TB SAS HDDs.

AJA System Test for 16-bay PIXi RAID 16TB - RAID 5 - Mac Pro - 1.0GB file size

Write: 745.7 MB/s
Read: 1455.1 MB/s

AJA System Test for 16-bay PIXi RAID 16TB - RAID 5 - Mac Pro - 4.0GB file size

Write: 814.5 MB/s
Read: 1046.7 MB/s

PIXi Extreme RAID offers one of the best cost per gigabyte ratios in the industry, together with a unique upgrade and scalability path.

As your data requirements grow, Fibrenetix PIXi Extreme can grow to meet those needs. There is no need for additional expander cards, software drivers or other expensive items, simply add another 12-bay or 16-bay PIXi JBOD via the easy plug'n'play connector and off you go. Up to four PIXi JBOD's can be daisy chained, offering storage capacities of up to 128 terabytes - all fully RAID protected.
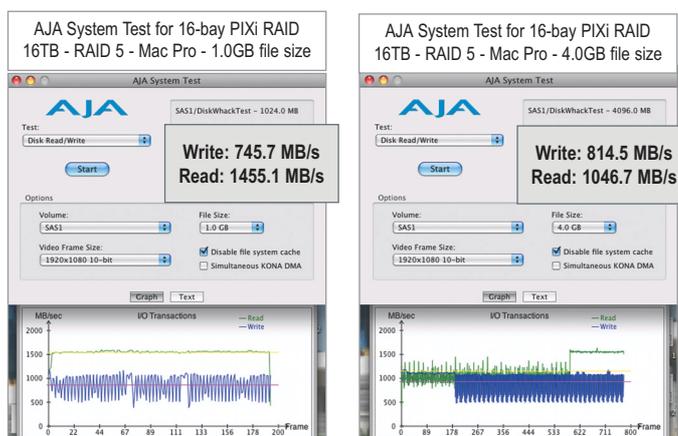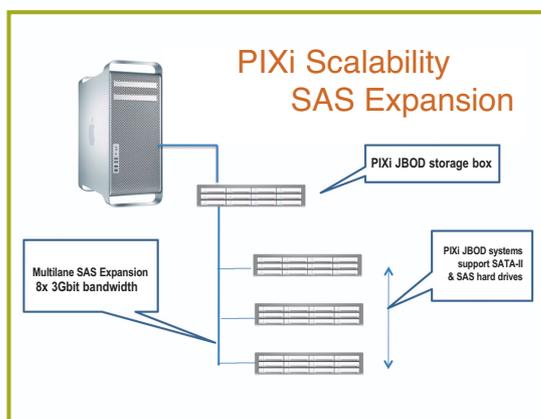
KEY FEATURES

- PCI Express RAID card with the latest Intel IOP348 processor for sustained performance of up to 1000MB/s

- Selectable RAID levels: JBOD, 0, 1, 3, 5, 6, 50 & 60 with support for multiple raid sets

- Supports uncompressed multistreams of ProRes 422, 8-bit 1080 HD, DV, DVCPRO, HDV, 10-bit 1080 4:4:4: HD & 2K

- Ability to use SAS & SATA hard drives , in both 2.5" & 3.5" formats, simultaneously in a single system for unbeatable scalability & protection of your investment

- High-end caddy system offering the best protection of hard drives and data, designed to support 10K & 15K hard drives

- 2GB cache memory as standard, providing exceptional DATA STREAMING performance

- Intelligent SmartFAN cooling system which continuously adapts to environmental conditions by automatically adjusting fan speeds for optimal drive & system cooling

- Easy Plug for Scalability - add extra JBOD storage without the need for additional expander cards

- Easy upgrade to direct attached enterprise level Fibre Channel system offering true protection of your investment

- Sophisticated monitoring and alert system enabling the system administrator to monitor and receive alerts via onboard Ethernet connection

- Built-in management software supports any internet browser and alerts can be sent via POP3 emails, SNMP or network broadcasting, ALL without any installation of software or drivers

- Compatible with major brands of video editing, capture and playback cards, devices and software.

- 12 or 16-bay 19" rackmount formfactors available

PIXi Scalability
SAS Expansion

PIXi JBOD storage box

Multilane SAS Expansion 8x 3Gbit bandwidth

PIXi JBOD systems support SATA-II & SAS hard drives

Whether you're creating content in HD or 2K, Fibrenetix PIXi Extreme offers unbeatable performance and reliability. With speeds of up to 1000MB/s from a single system with full RAID-5 data protection. PIXi storage can be configured to meet your output demands, whether you want the fastest speed, or the highest level of data safety.

The PIXi range offers true versatility, whether you are working in a MAC OS X, Windows XP or Windows Vista environment and works seamlessly with all mainstream video editing applications including Apple Final Cut Pro and Adobe Premier Pro CS3.

PIXi Extreme - The ultimate storage system for the demanding performance needs of the content creation industry

Product Codes	**PXS-1661-C131-A1** *(16-bay PIXi Extreme system)* **PXS-1661-J131-A1** *(16-bay PIXi Extreme JBOD)* **PXS-1261-C131-A1** *(12-bay PIXi Extreme system)* **PXS-1261-J131-A1** *(12-bay PIXi Extreme JBOD)*
RAID Controller Card	PCI Express RAID card with Intel IOP348 processor
Enclosure Design	Cableless Intelligent Backplane Integration
Max. Supported # Drives	16 or 12x SAS and/or SATA-II HDDs
High Security RAID Level	RAID-6
Supported RAID Levels	JBOD, 0, 1, 0+1, 3, 5, 6, 10, 30, 50, 60
Memory Bus	High Speed PCI bus
Memory	2GB DDR2-533 SDRAM cache memory as standard
Disk Bus Interface	3Gbit SAS / 3Gbit SATA-II
Disk Bus Channels	16 or 12 Independent Channels
Host Requirement	PCIe 8 lane Bus
Operating Systems	Windows XP, Windows Server, Windows Vista, MAC OS X 10.4 & 10.5
Max. HDD Capacity	2 Terabytes
Max. Enclosure Capacity	32 Terabytes (16-bay) or 24 Terabytes (12-bay)
Hot Swap Components	HDD, PSU & Fan modules
Management	RS-232, Web-browser and SNMP
System Alerts	Audible alarm, LEDs, RS-232, Web-browser, POP3 Email & SNMP traps
Power Requirements	110/240VAC, 50/60Hz auto-sensing. Dual independent 560 watt power supplies
Form Factor	19" Rackmount - 3U (16-bay) or 2U (12-bay)
Weight	3U = 25 KG / 2U = 20KG (without disk drives)

NB: Specifications subject to change without prior notice. Various trademarks belong to their respective owners.

PIXi Extreme Highlights

PCIe 8-lane RAID controller card
with 2GB onboard cache

Multi 8-lane SAS connector for Scalability
Add JBOD storage to connect up to 64 HDDs

High quality external SAS cable
included with every PIXi Extreme system

Flexibility to use SAS & SATA-II drives
Simultaneously for complete flexibility