



AXUS YOTTA B PCI Express to SAS Series RAID Subsystem

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AXUS Microsystems Inc., today announced newly technology **12/16/24 Bay YOTTA B PCIe to SAS/SATA II series** RAID Subsystems. External PCIe Attached Raid subsystem takes high performance advantage of PCI Express link (PCIe x4) with 1000MB/s data throughput. Supporting new polynomial RAID 6 tolerates two disk fail at the same time enhancing Data reliability. In addition, providing re-driver card with drivers for variety operation system brings no more headache on choosing incompatible HBA card. It

makes ideal storage for Media Editing & content creation & video streaming community especially for OS X.

Enhanced Highlight

Simple---

PCIe simplifies data transmission protocol directly from Memory to RAID via DMA scheme to reduce CPU overhead and conversion time to maximum throughput rate.

Reliable---

New Raid 6 is an essential extension of Raid 5 with second parity scheme to enhance data availability.

Scalable---

Unlike internal PCIe Raid only supports few HDDs in narrow space of sever machine and worry about high temperature might affect server machine performance. External PCIe Raid breaks space limitation providing 24 Bay external Raid subsystem and SAS expender port can be attached JBOD. Each PCIe Raid supports up 128 TB capacities.

Cross-platformable---

YOTTA PCIe provides various drivers for Windows 2000/ XP/ Server 2003/ Vista, Redhat/SuSE Linux, FreeBSD, Solaris 10x86/x86_64, SCO UnixWare 7.1.4, Novell Netware 6.5, "Mac OS 10x". Especially for Mac User, hardware compatible issue will be no longer headache. Easily install the driver and enjoy extreme performance for any kind editing application.

Performance Achievable---

Uncompressed SD 10bit 30-frames(27MB/s), Uncompressed HD 24-frames 1080p 10bit(127MB/s), Uncompressed HD 1080i RGB 4:4:4(250MB/s). Stop to wait your data stuck on performance limitation. That's why AXUS guarantee 800+MB/s performance by PCIe external Raid for you to run any critical performance requirement application.

Feature

- Instant Availability/Background Initialization
- Array Roaming
- Online Capacity Expansion
- Online RAID Level and Stripe Size Migration
- RAID 6
- SNMP
- MPIO
- S.M.A.R.T
- Easy Management
- Hot-Swappable design
- EZSecure Lock
- Convenient Modular Des



Specification

RAID Series	YOTTA B PCI-e Series
Model number	YB-24/16/12S3EPE
RAID CPU Engine	Intel® IOP341 @800Mhz
Cache Memory	Up to 2GB DDR II 533 SDRAM on one DIMM socket with ECC protection
RAID Levels	0, 1, 1E, 3, 5, 6, 30, 50, 60 & JBOD
RAID Features	Multiple RAID selections Instant availability and background initialization Online RAID level / stripe size migration Online Array roaming Online capacity expansion and RAID level migration simultaneously Online volume set expansion S.M.A.R.T. Bad block auto-remapping Hot spare and automatic hot drive rebuild
Hot Swap Components	Power Supply, FAN, Disk Drive
System Type	4U / 3U / 2U Rack-Mounts
Host Interface	Single PCI-e x4 port +PCI-e x4 card
Disk Interface	24/16/12 SAS/SATA II Disks
JBOD Expansion Port	Single Mini SAS JBOD Expansion Port can be attached to SAS JBOD to expand capacity
Battery Backup Module	Optional, supporting 72 hours battery backup time
RAID Management	Firmware embedded Web browser-based RAID manager via built-in 10/100 Ethernet port Firmware embedded manger via RS-232 port Firmware embedded manager through LCD control panel Field-upgradeable firmware from flash ROM
Monitors & Notifications	All system status can be monitored via Firmware-embedded Web browser-based RAID manager System status indication through LCD, LED and alarm buzzer All system events can be sent to multiple user via emails alerts SNMP agent already embedded in the firmware allows remote to monitor events through LAN
Operating System	Need driver

	Windows 2000/XP/Server2003/Vista \ Linux \ FreeBSD \ Novell Netware 6.5 \ Solaris 10 x86/x86_64 \ SCO UnixWare 7.1.4 \ Mac OS 10.x
Power Supply	12 bays system: Redundant by dual 375W power modules with PFC feature, loading sharing type and cable-less design 16 bays systems: Redundant by dual 460W power modules with PFC feature, loading sharing type and cable-less design 24 bays systems: Redundant by three 460W power modules with PFC feature, loading sharing type and cable-less design
Electrical	AC Voltage 110-230 VAC/AC frequency 50-60Hz
Temperature	Operating temperature: 5 ~ 35 degree Celsius. Non-Operating temperature: -40 ~ 60 degree Celsius
Relative Humidity	20% ~ 80% non-condensing
Dimension (mm) W x D x H	12 bays system: 446.4 x 545 x 2U 16 bays system: 446.4 x 520 x 3U 24 bays system: 446.4 x 562 x 4U
Weight (kg) (w/o HDD)	12 bays system: 14 16 bays system: 22.7 24 bays system: 28.4

Specifications are subjects to change without notification. All trademarks or registered trademarks are properties of their respective owners.

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About AXUS Microsystems Inc.

AXUS Microsystems Inc is the professional storage products manufacturer. The company specializes in RAID storage & SAN(storage area networking) solution at an affordable cost, while offering superior customer service and responsive technical support. Please visit the company's website www.axus.com.tw for further details.

