



AXUS Announces the FC to SATAII YOTTA RAID Subsystems

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AXUS Microsystems Inc., today announced the new 2Gb FC to SATA II RAID subsystems to its line of YOTTA RAID Subsystems.

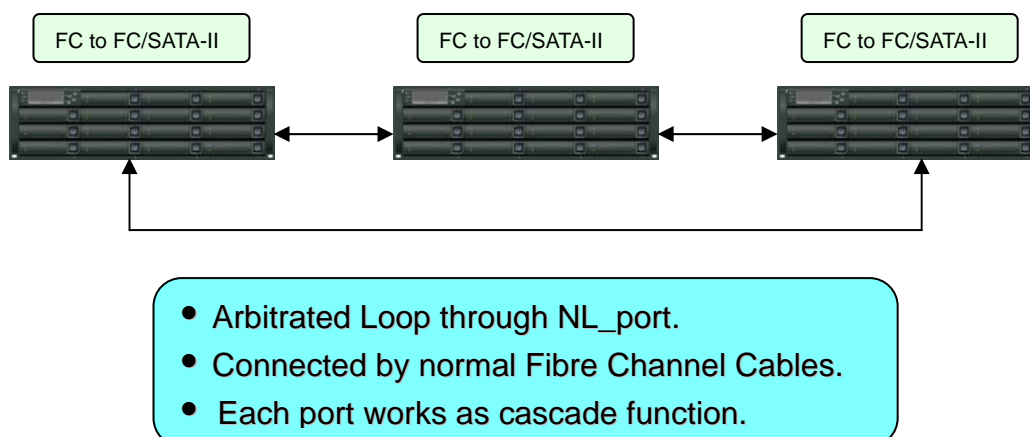
The system takes the advantage of 2Gb Fibre host transfer rate and the SATA II technology enhancements such as 3Gbps (Gigabit per second) transfer rates, Native Command Queuing for transaction-oriented applications, and Hot Plug capability. With the leading technology of the S.M.A.R.T. and RAID 6, the new YOTTA FC to SATA II RAID subsystems give system administrators the ultimate data storage solution – high performance with optimum reliability.

Features:

1. Cost-Effective SAN Environment in FC Cascade Function.
2. 3 Gbps SATA II disk Interface.
3. S.M.A.R.T function (Disk Self Testing, Disk Scrubbing, Disk Cloning) is supported by the Web GUI.
4. Supports RAID 6 for more fault tolerance.
5. Batter Backup Module to preserve cache contents from power failure.
6. Cableless architecture for better reliability.
7. Dual host channels support clustered environment.
8. Array roaming allows a complete RAID set moving to another system without losing RAID configuration and data.
9. Built-in Ethernet port for remote event notification, Web GUI, configuration and management.

AXUS Enhanced Technology on Cost-Effective SAN Environment: FC Cascade Function

With the AXUS integrated FC Cascade Function, SAN environment can be easily built to achieve more with less effort.



Performance of YOTTA FC to SATA II:

Note: These are the testing results from the AXUS lab, and the main purpose is for reference only. The data might vary under different conditions.

Roughly testing environment description		YOTTA YI-08SAEU4N			
Outstanding I/O	Read Total MB/s		Write Total MB/s		
	Peak	Stable	Peak	Stable	
➤ Hardware: AXUS standard YOTTA RAID Series					
➤ Host DRAM: 512 MB; Host CPU: 2400 MHz					
➤ RAID Stripe size: 128 Sectors					
➤ IO Meter Setting:					
1 Worker, 1 Array					
1 manager has 1 worker - 100%sequential					
Outstanding I/O: 1,2,4,8,16,32					
Transfer Request Size: 256K					
1	159.44	157.95	146.01	143.85	
2	195.24	193.89	175.62	173.32	
4	195.79	194.09	190.12	188.67	
8	196.17	194.26	190.34	188.69	
16	192.84	190.25	190.13	188.67	
32	193.35	190.66	190.43	188.61	

Outstanding I/O	YOTTA YI-12SAEU4N				Outstanding I/O	YOTTA YI-16SAEU4N			
	Read Total MB/s		Write Total MB/s			Read Total MB/s		Write Total MB/s	
	Peak	Stable	Peak	Stable		Peak	Stable	Peak	Stable
1	158.37	156.24	149.81	147.63	1	153.75	152.26	146.27	144.83
2	195.14	193.51	176.27	173.15	2	195.33	193.29	172.74	171.89
4	195.37	193.78	190.24	188.64	4	194.67	193.14	190.22	188.71
8	194.56	193.98	190.16	188.67	8	194.85	193.06	190.33	188.71
16	195.84	194.04	190.08	188.71	16	194.13	192.82	189.62	188.71
32	195.58	194.05	189.74	188.61	32	194.56	193.34	189.72	188.55

Specification of YOTTA FC-SATA II:

Model	YI-16SAEF2	YI-12SAEF2	YI-08SAEF2
RAID Engine	Intel Xscale 80331 @667Mhz		
Controller #	1		
RAID Levels	0, 1, 0+1, 3, 5, 6, 30, 50, NRAID and JBOD		
Cache Support (Write back)	Up to 2GB of 64-bit DDR 333 SDRAM		
System Type	Rackmount 3U	Rackmount 2U	
Host Interface	Dual 2Gbit Fibre Channel		
Host Transfer Rate	2 Gbit/sec per channel		
Disk Interface	SATA II		
LCD Display	2 Lines by 16 characters		
Hot Swap and Redundant	Yes (Power Supply ,Hard Disk, & Fan Module)		
Hot Spare	Yes (Disk Down)		
Disk Channel	16 of SATA II (3Gb)	12 of SATA II (3Gb)	8 of SATA II (3Gb)
Hot Spare	Yes (Disk Down)		
LAN	Web browser-based RAID Manager via Build in 10/100 Ethernet Port		
Array Management Support	Yes		
Automatic Bad-Sector & Error Recovery	Yes		
Automatic Drive Rebuild	Yes. Automatic Data Rebuild		
Operating Systems	O/S Independent and Transparent		
Power Supply	Redundant Dual 375W (460W for 16 bays) 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 : 10 to 35 degree C. Non Operating Temperature : -40 to 60 degree C.		
Relative Humidity	20% to 80% non-condensing		
Dimensions (mm)	446.4(W) x 132.4(H) x 495(D)	446.4(W) x 88.8(H) x 527(D)	

* Specification subject to change without notice. All trademarks or registered trademarks are properties of their respective owners.

Availability of the YOTTA FC to SATA II

The model is available from now on, please contact with our sales for further information.

AXUS Microsystems Inc.

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

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