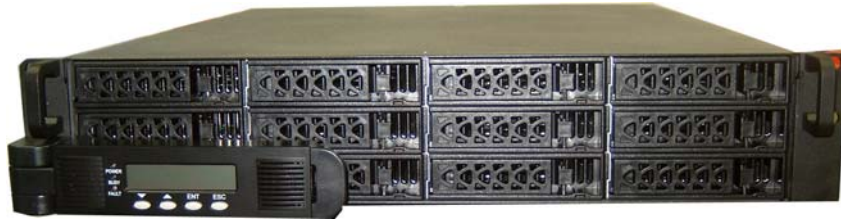


2U-12Bay RAID

S-1230 Ultra320 to SATAII

F-1230 Fiber4G to SATAII



**Fiber 4G/SCSI320 & SATAII Disks
400MHz/64bit/RISC CPU+256 DDRAM**

APPLICATIONS & MARKETS

○ On-Line Mission Critical Data Server Storage

○ Mid-Line & Near-Line Storage:

Disk-to-Disk Backup Backup/Replication Staging

Disk-to-Disk-to Tape Backup Staging

ILM(information lifecycle management) and HSM Data Migration

RIS(Reference Information Storage),also known as CAS(Content

Addressed Storage) and FCS(Fixed Content Storage)including

storage for:

Medical records and films and scanned copies

Law Office records and evidences Libraries

Engineering Designs and Drawings , CAD files

General Office documents

○ Dual Server/Application Fail-Over Clustering

○ VOD(vedio-on-demand),MOD(movie-on-demand),and

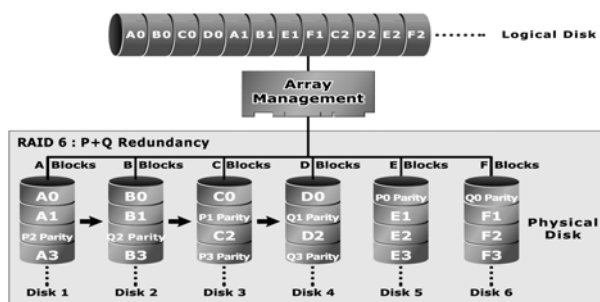
AOD(audio-on demand),Multimedia Streaming Server

○ Security Surveillance Video Recording

○ Storage for Prepress , Post-production and Movie Rendering

○ High-Definition Video recording and editing ,and for

Broadcasting and Entertaining business

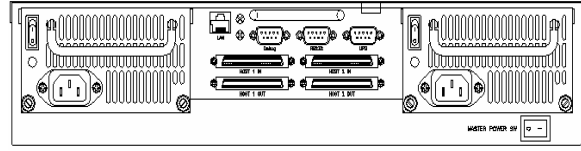
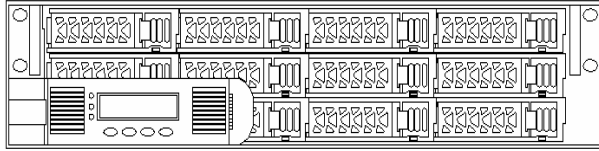


**ADG/RAID-6: extra redundancy to
RAID-5&RAID10 Dual Flash ROM for
Redundant Firmware IMAGE**

FEATURES & BENEFITS

- 2U-12Bay provides highest capacity density and spindle per U
- Intel 80321,400MHz/64bit RISC processor
- 256MB DDR Cache memory, upgradeable to 1GB
- Fiber 4G/SCSI 320+SATAII offers the very best combination of affordability, technologies and performance
- Modular/Cable-less design for backplane ,power, controller eliminating human errors & bad workmanship; easy to maintain ;consistency and quality guaranteed by design
- ADG-Advanced Data Guardian Dual Parity RAID Scheme-RAID-6)with built-in 2separate XOR engine for mission critical server storage , survives up to 2disks failure at the same period of time.
- Dual Flash ROMs with redundant firmware images guarantee the RAID controller to function.
- **Fast RAID Initialization and Fast Rebuilt process**
- Foreground and background Initialization selectable
- RAID Roaming between RAID systems
- RAID array recover function for temporary data recover
- Full RAID functions-RAID0,1,2,3,5,6,10,+HotSpare,JBOD,Multiple RAID arrays/LUNs, and supports HotSwap & Auto-Rebuild.
- OS Independent & Host Transparent
- E-mail Event Notification/Alerts
- Dual SCSI Hosts for Server Fail-Over Clustering Support
- Utilizes S.M.A.R.T. features embedded with every disk from any manufacturers for bad sector and disk error

TECHNICAL SPECIFICATION



Specifications

Model Number	<i>S-1210: Ultra320-to-PATA S-1230: Ultra320-to-SATAII F-1230: 4Gb Fiber-to-SATAII</i>
From Factor	2U,19" Rackmount Chassis
RAID Engine	Intel IOP321 Processor (64 bit/400MHz)
Online RAID Levels	0, 1, 3, 5, 6 & 0+1, JBOD, plus Hot-Swap, and Auto-Rebuild
Multiple RAIDs / Volumes/ LUNs Support	Yes ,Up to 16 Array groups
RAID Foreground & Background Initialization	Yes, both are supported and selectable
Cache Memory	256MB ECC DDR Standard , Upgradeable to 1GB ECC DDR 1x184 DDR DIMM 184 pin Socket
Host Channels	2xUltra 320 SCSI ,68 pin
SCSI Tagged Command Queuing	Up to 255 commands
SCSI ID Selectable	Yes
Number of Drive Support	12 Disks
Disk Type & Interface	Serial-ATA
Large Size Disk Support	Yes ,160GB , 220GB , 300GB ,and up
Bad sector & Disk Error Handling	Utilize S.M.A.R.T-Self Monitoring Analysis and Reporting Technology , which is implemented on all the SATA disks from all disk manufacturers
System LCD Indicators	LCD control panel for setup, alarm mute and configuration System status indication through LCD, and alarm buzzer
Environment Detection	FAN , Temperature , Voltage
Individual Disk LED Indicators	Power On & Access & Error LED Indication
E-mail Events Alert	Yes, (Support all the OS base)
Remote TCP/IP Configuration and Management	Yes , built-in RJ-45 Ethernet Port
Power Supply	Redundant by dual 400W power supplies with PFC, hot-swappable and cable-less design, AC 90~260V
Cooling System	2xBlower Fans, Individual Temperature Sensor for each Disk
Operating Temperature	5°C to 55°C
Dimension	3.46"Hx19.13"Wx23.23"D / 88mm(H)x486mm(W)x590mm(D)
Weight	48.4LB/22Kg(Without H.D.D.)