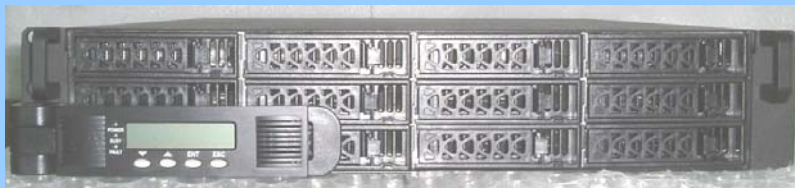


# S-1230 Series Offering Fault Tolerance up to two HDD failed (**Raid 6**)

**.2U-12bay : Least Space and Highest capacity**    **Cableless design with power supply**



**Intel IOP321 400MHz CPU**

**Ultra4 320 + 256MB DDR**

**SATA x 12 channels**

## Make your system better :

- ⊙ Server for its RAID-6 extra redundancy
- ⊙ HDTV video recording/editing for its performance (Entertainment and Broadcasting industry focused)
- ⊙ Suitable NAS storage body
- ⊙ On-line & Near-line backup devices.

## Why 『S-1230』 :

- ⊙ High capacity, cost-effective, optimized-performance
- ⊙ User friendly interface
- ⊙ Allow unplug a non-defective Drive
- ⊙ Full Fault Tolerance: Self Healing
- ⊙ On-line Raid set moveable
- ⊙ Smart LED display-SALP(System-Active LED Plus)
- ⊙ Secure your business
- ⊙ LED auto-scanning
- ⊙ Overload voltage protection

## Features:

- ▲ Data storage equipped with capacity over 3TB
- ▲ Compatible with Window , Unix, Linux, MAC, Novell and all Operation System
- ▲ Unique back-plane design – no extra cable connection between Power supply and Controller
- ▲ Excellent ventilation, vibration-proof design
- ▲ Supports RAID level 0, 0+1, 1, 3, 5 ,6 and JBOD, Multiple RAID
- ▲ Automatic on-line or manual rebuild
- ▲ Hot Spare available ( fan, power supply and drives)
- ▲ Supports On-line expansion
- ▲ Supports remote browser control (TCP/IP) disk array
- ▲ Supports WEB and Terminal Interface
- ▲ Built-in Ethernet RJ-45 port: supports remote control and E-mail alarm via Web browser-based RAID management
- ▲ Built-in two parity XOR engines: to support VOD, MOD and any specific application solution
- ▲ Supports backup software (Veritas, Legato, CA BrightStor)



**Smart monitor- LEDC**  
(Intelligent Environment Detection Control)



**Modularized (Unique back-plane design – no need extra cable to connect Power supply and Controller)**



**Easy Plug In and Out**  
(Convenient sliding rail design)

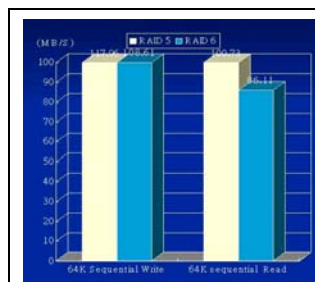
### The benefits of RAID 6



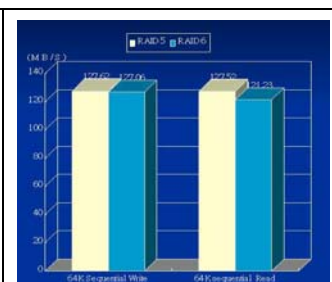
**B** means data blocks

**P** means parity data

Any two drives failed without loss of critical data



**Benchmark for 1 worker**  
Over 100 Mbyte/Sec

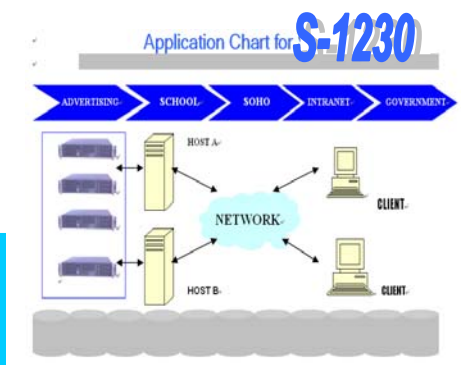


**Benchmark for 20 workers**  
Over 120 Mbyte/Sec

# Technical Specification

Front Panel View	Rear Panel View	Rear Panel View
Specifications	S-1230	F-1230
RAID Engine	Intel IOP321 Processor (64 bit/400MHz)	Intel IOP321 Processor (64 bit/400MHz)
Online RAID Levels	0, 1, 3, 5, 6 & 0+1, JBOD, RAID	0, 1, 3, 5, 6 & 0+1, JBOD, RAID
Multiple RAID Support	16 Array workgroup	16 Array workgroup
Cache Support Size	Up to 1GB ECC DDR SDRAM	Up to 1GB ECC DDR SDRAM
Cache Memory Type	DIMM 184 pin Socket	DIMM 184 pin Socket
Host Channels	2	2
Number of drive bay	12	12
Host Interface	Ultra4/ Ultra4 Wide SCSI	Fiber 2 Gbits/ (OPTICAL OF COPPER)
Disk Bus Interface	Serial ATA	Serial ATA
PCI IDE Controller	64 bits / 100MHz	64 bits / 100MHz
LED Indicators	RAID Busy, Power supply, Fan, Temperature	RAID Busy, Power supply, Fan, Temperature
Environment Detection	FAN, Temperature, Voltage	FAN, Temperature, Voltage
Mobile Rack LED Indicators	Power, Drive Status	Power, Drive Status
Firmware Upgrade	VT-100 & Web Browser (30 Seconds)	VT-100 & Web Browser (30 Seconds)
E-mail alarm (No need install any software)	Yes (Support all the OS base)	Yes (Support all the OS base)
Remote TCP/IP Configuration and Management	Yes (Ethernet Port)	Yes (Ethernet Port)
Rack-mount Size	88(H) x 483(W) x 486(D) mm	88(H) x 483(W) x 486(D) mm
Hot Swap Power Supply rating	400W (1+1) PFC	400W(1+1) PFC
Input voltage	AC 90 ~ 260V	AC 90 ~ 260V
Operating Temperature	5°C to 55°C	5°C to 55°C
Weight	22 Kgs (W/O.H.D.)	22 Kgs (W/O.H.D.)

**Function:** ◀New disk auto spare ◀Host independent ◀Environment monitor ◀Online expansion ◀Continuous rebuild  
 ◀Online consistency check ◀Failed drive auto-rebuild ◀Failed drive indicators ◀Audible alarm ◀Password protection  
 ◀Automatic Bad-Sector & Error recovery ◀Multiple RAID selection ◀Array roaming ◀Online RAID level migration  
 ◀Online RAID Strip Size Migration ◀Array Management Support ◀Audible alarm, Pager and Fax, E-mail Notification  
 ◀Monitor /GUI Port Support ◀Dual ROM-Map for Controller Availability ◀Battery Backup Module (option)



No need to install any software and ready to control, monitor the RAID subsystem and mail alarm.

