

# SOL - 18

## RAID LEVEL



**Performance**  
**Flexibility**  
**Availability**  
**Scalability**  
**Reliability**  
**Capacity**

### Features:

- ▲ Data storage equipped with capacity of over 3.2TB
- ▲ Support Window, Unix, Linux, MAC, Novell and all Operation System
- ▲ Excellent ventilation, vibration-proof design
- ▲ Supports RAID level 0, 0+1, 1, 3, 5, 6 and JBOD, Multiple RAID, NRAID
- ▲ Automatic on-line or manual rebuilds
- ▲ Hot Swap available (fan, power supply and Drives)
- ▲ Supports HDD On-line expansion
- ▲ WEB and Terminal Interface Management
- ▲ Built-in Ethernet RJ-45 port: supports remote control via Web browser-based RAID management
- ▲ Remote browser (TCP/IP) control the Disk Array
- ▲ Supports backup software including Veritas, Legato, CA BrightStor
- ▲ Built-in two XOR engine: to support VOD, MOD and specific application solution.
- ▲ Passive Cables Backplane Design for Highest Performance and Reliability

### Make Your System Better

SOL-18 is designed to meet the higher demand of storage for medium-sized business enterprises and ASP, ISP, IDC to departmental and corporate servers. It is a full RAID subsystem feature designed to provide the utmost in fault tolerance, reliability, flexibility, and performance.

### High Capacity, Cost-effective, Optimized Performance

The world's first data storage equipped with capacity of over 2TB, utilizing IDE HDD high technology, it offers the high-performance, high data capacity with exact lowest cost. For the space saving, SOL-18 is the best choice and solution.

### User Friendly

With the user friendly IEDC (Intelligent Environmental Detection Control) design, its front panel LCD Display shows a comprehensive readout of the operation status, including RAID, Hard drive, fan and Power supply. Each individual Hard drive also has its own LED indicators.

### Allowing Unplug a Non-defective Drive & Full Fault Tolerance: Self Healing

SOL-18 is aiming to deliver an AI user friendly equipped to assist experienced specialist solving the HDD failure trouble. When any two of Disks error occurred under RAID configuration in level 6, the system will be automatic replaced the failed HDD. Even though, in case of system administrator accidentally unplug a non-defective drive in degraded RAID set, it still will not do any damage on non-defective drive.

### On-line Raid Set Moveable

With Array Roaming, it allows the administrators the ability to move a completely RAID set to another system without losing RAID configuration and data on that RAID set. If a server fails to work, the RAID set disk drives can be moved to another server and inserted in any order.

### Smart LED Display - SALP (System Active Led Plus)

Unlike regular SCSI Active LED, SOL-18 has synchronized light indicators for Cache Memory, Controller and HDD on the front panel giving precise operation status to the users, to ensure any data left in the Cache Memory has been completely written on HDD before the RAID subsystem be shut down.

# SOL-I8 Specifications

## RAID Engine

Intel IOP321 Processor (64bit/400MHz), Two CPU for iSCSI dual interface Model (I8-is)

## Online RAID Levels

0, 1, 3, 5, 6 & 0+1, JBOD, NRAID

## Multiple RAID Support

16 Array workgroup

## Cache Support Size

Up to 1GB ECC DDR SDRAM

## Host Channels 2

## Number of drive bay 8

## Host Interface

2xUltra3/ Ultra3 Wide SCSI iSCSI Interface  
1x1Gb iSCSI plus  
1xUltra3(I8-is)

## Disk Bus Interface

Ultra ATA 133 , SATA

## Online Migration:

RAID level, RAID Stripe Size ,  
RAID Capacity Expansion

## Front Panel LED Indicators

RAID Busy, Power supply, Fan, Temperature

## Environmental Detection

FAN, Temperature, Voltage, Chassis open

## Mobile Rack LED Indicators

Power, Drive Status

## Firmware Upgrade

VT-100 & Web Browser in (30 Seconds)

## Remote TCP/IP Configuration and Management

Yes (Ethernet Port)

## Rackmount Size

88(H) x 483(W) x 486(D) mm

## Hot Swap Power Supply rating

300W(1+1) or 450W (2+1) PFC

## Input voltage

AC 90 ~ 260V

## Blower

Quantity 2 Size 75mm

## Operating Temperature

5°C to 50°C

## Weight

12 Kgs (W/O H.D.D)

## EMC Certificates

FCC CE



Smart LED Display - SALP(System Active LED Plus)  
RAID 6 Engine  
LCD Configuration Utility  
Mobile Rack LED Indicators



Fully Modulized Design including Fan,  
RAID Controller, Hard Drive, and Power Supply  
iSCSI option provide dual host interface.  
(iSCSI plus SCSI, CPU x2 )allows maximum  
flexibility and connectivity, Both is WEB browser  
Management enabled.



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