ESR-212

Build Unique Storage Solutions with a Technology Edge

The ESR 212 is a EIA310-D standard 2U chassis designed that balances what is possible and what is needed. It supports most form factor server board in the market, From Single Pentium 4 or AMD Althon, Dual Intel Nocona/Irwindale or Dual AMD Opteron Server Boards in a high density and cost-effective enclosure. The ESR-212 storage server chassis deliver technology that differentiates your company by helping you to create integrated competitive solutions that win. Your customers need it, expect it, and demand it

The ESR series Storage server balances what the End-User and System vendor needs to deliver the best solution, provides classy design, highest flexibility, easy to install and maintain, more storage in limited space and ultimate drive and data protection in this limited space. Each unit has up to six hot-swappable cooling fans and with multiple temperature sensors at the hot points. The ESR-212 redundant, load-sharing power supply modules and power management circuitry accommodate the dynamic requirements of today's drives. ESR-212 further includes power supply-to-drive isolation, which allows control over voltage and current fluctuations

Chassis Specification

1. EIA 310-D standard 2U chassis, Dimension 19"Wx3.42"Hx28"D
2. Corrosion-resistant steel construction
3. Includes 12Hot Swappable, low-profile hard-disk drive carriers with dual status LEDs at each drive carrier
4. Support Ultra 320, SATA PtP and Multilane
5. Support SSI CEB1.0, SSI EEB 3.5, extended ATX form factor
6. Support Low Profile Backpanel or 3 tier Backpanel
7. On board temperature sensors
8. On board enclosure management feature includes multiple temperature sensors with audible and visible alarm, Power Supply health audible and visible alarm, System fan health audible and visible alarm
9. Front Panel includes:

   Buttons and Switches: Power on/off (momentary) button, system-reset button, alarm reset button

   LEDs: Power, Hard-Disk activity, network activity (two), system health

10. Support up to 6 hot-swap 80mm high speed fans for system cooling.
13. Fixed or 1+1 Redundant Power Supply with simple cable connection
14. 460W for Dual Opteron and 550W for Dual Xeon Nocona/Irwin dale system
15. Horizontal BP design for better airflow, provides space for future SAS edge expander chips and delivers efficient connectivity to larger number of devices
16. Optional mechanical lock front bezel (special order only)
17. Includes easy install Slide-Rail Kit

SATA Backplane Specification

1. A power MOSFET to provide disk spin-up control
2. A pre-charge circuit for surge current protection when a disk is plugged in to protect the hard-disk drive and the backplane.
3. LED: Blue ON = HDD present; Blue Blanking = Drive activity; Red=Drive failed
4. A 4x2 header for Drive activity and Drive failed LED signal input
5. A 4x3 jumper with 4 jumper cap is added to select either disk activity LED is provide by the Host Bus Adapter or form HDD such as Western Digital or Maxtor Diamond Max X hard disk drive
6. Single DC input to provide better cable management
7. SATA data connector with latch to secure the SATA cable is not loose
8. Options included Point-to-Point or Multilane data cable connection.

SCSI Backplane Specification

1. A power MOSFET to provide disk spin-up control
2. A pre-charge circuit for surge current protection when a disk is plugged in to protect the hard-disk drive and the backplane.
3. LED: Blue ON = HDD present; Blue Blanking = Drive activity; Red=Drive failed
4. A 4x2 header for Drive activity and Drive failed LED signal input
5. Single DC input to provide better cable management
6. Piano Switch for easy SCSI ID setting
7. Two HD68 SCSI connectors for daisy chain if required