

True Energy Efficient Storage Has Arrived



Scalability and Power Savings in a 1U 12 Bay RAID Enclosures with Single & Dual Controller and JBOD Expansion

Single Controller Units:

ESB12S-G1030 – SAS to SAS/SATA Drives

ESB12F-G1430 – 4Gb Fibre to SAS/SATA Drives

Dual Controller Units:

ESB12S-R1030 – SAS to SAS Drives

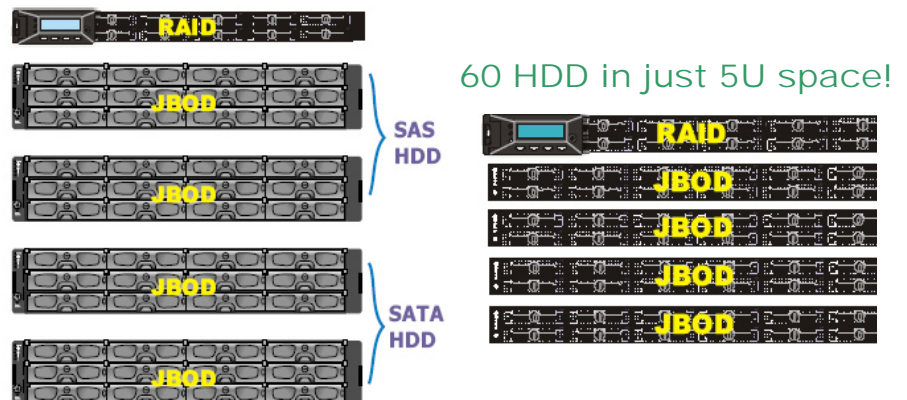
ESB12F-R1430 – 4Gb Fibre to SAS Drives

The New 1U "ESB" units offer Energy Efficient Data Storage without the sacrifice of performance or scalability. The "ESB" RAID Units use the 2.5" SAS and SATA drives with expansion to 2.5" and 3.5" drive enclosures. The 1U footprint can currently offer 1.6TB per unit with SAS drives or 6TB with SATA* drives (*Single controller units only).

The 1U units use about 1 to 1.3amps of power vs. the 2U 12 bay units 3-4 amps usage. The 1U takes up to 66% less space and the drives are 70% smaller with a faster response time and longer MTBF. The units are EU RoHS Compliant.

Some of the units claiming to be energy efficient use software or hardware to slow down the drives in stand-by mode. This is not a natural act for a hard drive and can shorten the life of the drives along with slower startup when data starts processing again. These drives sometimes come with proprietary firmware which can drive up the cost of the drives.

Mixing SAS / SATA HDD in a 2U
JBOD as tiered storage



Highlights:

- ◆ RISC Processor & 400 ASIC RAID Engine
- ◆ Dual Host Ports Per Controller
- ◆ SAS or SATA(Single Cont.) Support
- ◆ RAID Levels: 0, 1(0+1), 3, 5, 6, 10, 30, 50 and 60
- ◆ Hardware RAID 5 & 6
- ◆ Dedicated 18Gb Sync. Cache Channels(Dual Cont.)

- ◆ Price per GB about \$1.29 (Single Cont. SATA Drives)
- ◆ Price per GB about \$\$5.07(SAS 146GB 10K RPM Drives)

Available Models

Models	Controller	Host Ports	Channels	Drive Bays	Scalability
B12F-R1430	Redundant	4	4	12	1 RAID + 3 JBOD
B12F-G1430	Single	2	2	12	1 RAID + 4 JBOD
B12S-R1030	Redundant	4	4, multi-lane	12	1 RAID + 3 JBOD
B12S-G1030	Single	2	2, multi-lane	12	1 RAID + 4 JBOD

B12F-R1430



B12S-R1030



B12F-G1430



B12S-G1030



Adjile Systems is a past Manufacture of Data Storage Solutions and currently operates as a System Integrator of Data Storage Solutions. They have been located in Sacramento, CA for 15 years and are highly respected for their knowledge and support of solutions.

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Specifications:

Subsystem Characteristics

- RISC CPU, 1MB L2 Cache
- ASIC400 RAID Engine
- Up to 2GB Cache per Controller
- 4Gb FC or 12Gb SAS(4x3Gb) Host Ports
- LCD keypad Panel
- BBU for cache Module Available
- 10/100 Ethernet port(per controller)
- Hot-swap dual PS units
- Hot-swap cooling modules

Drive Interface

- 12 Hot-Swap disk trays
- 3Gbps SAS (or SATA on single cont.)
- SAS Multi-lane expansion port per cont.

RAID Configurations

- RAID Levels 0,1(0+1),3,5,6,10,30,50,60
- Up to 32 Logical drives(varied by Memory size)
- Up to 1024 LUNS(varied by Memory size)
- Multiple array configurations
- Background rebuilds/scan/initialization
- Infortrend smart fault management technologies

High Availability

- Redundant, Hot-swap FRU's
- Subsystem Self-diagnostics
- Li-Ion battery backup unit(s)
- UPS status detection
- Cluster Ready

Management Software

- Browser or Java based SANWatch
- Terminal via RS-232C
- Telnet over Ethernet
- LCD keypad panel
- Event notification methods:
Email/Fax/LAN Broadcast/SNMP traps/SMS/MN

OS Support

- Microsoft Windows 2000/2003 Server
- Sun Solaris ver. 9/10
- Red Hat Linux ver. 8/9, 64bit, Enterprise ver. 3
- SuSE: Linux ver. 8/9, 64bit
- Fedora 64bit
- MAC OSX ver. 10.4

Approvals

- BSMI, CB, CE, FCC, UL, cUL, RoHS
- Windows WHQL- Windows Server 2003

Requirements

- AC Input: 100~240VAC 380W with PFC
- DC Output: 12V-24A: 5V-30A

Dimensions

- 483m W x 43.5mm H x 500.6mm D
(19 x 1.71 x 19.7 inches)

Infortrend, the RAID storage expert, is a pioneer in cost-effective, high performance networked storage. The company's products include EonStor® storage systems and SANWatch® software for virtually all storage interfaces including Fibre Channel, SAS, SCSI, iSCSI, and SATA. Founded in 1993, Infortrend is traded on the Taiwan Stock Exchange (Taiex), ticker number 2495.