Ultra320 JBOD and RAID System

- Ultra320/Ultra160
- 2U (3.5”) Rackmount Enclosure (Tower Option)
- 12 Bay Enclosure delivering up to 1.75TB (12 x 147GB)
- Scalable up to 5.3TB in 10.5” (6U)
- Dual Bus (standard) or Single Bus (with optional Single Bus Module)
- Dual RAID Controllers with up to 1GB of Memory
- Storage Management Software for configuring and monitoring (Global option)
- Redundant/Hot Swap Power, Cooling and Storage
- Redundant HBA, Raid Controller and Storage Management Software Options
Size Does Matter! The Fujitsu IRS Ultra320 Series delivers high-performance and high-availability in a single 3.5" information storage system. This innovative product is designed to meet all entry-level to mid-range storage requirements. With 12 drive slots and the ability to scale to an industry-leading 1.7TB in 3.5" (2U), the Fujitsu IRS Series combines the current generation of SCSI performance (320 MB/s) with an upgrade path to complete active/active RAID in the same storage system, and is available in two models to fit into any direct server connection environment.

The IRS-JBOD is the foundation for any SCSI host connectivity and is optimised for performance oriented high-definition editing/rendering, scientific calculations and streaming data applications.

The IRS-1U160Nxx-xx (single controller) and IRS-2U160Nxx-xx (dual controller) products are created simply by adding one or two RAID controllers to an existing IRS-JBOD. These RAID systems offer scalability up to 5.3TB in 10.5" (6U) of data centre space. The IRS-1U160Nxx-xx and IRS-2U160Nxx-xx add controller-level data protection to applications that require the ability to scale storage capacity, maintain high-performance and build fault-tolerance, as required in video, seismic, medical imaging, and scientific/technology markets.

The Fujitsu IRS Series redefines versatility. Built on a single foundation, three different product options are created, delivering unparalleled performance and redundancy in enclosures designed to meet the demands of any storage application.

<table>
<thead>
<tr>
<th>Storage by Fujitsu</th>
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<tbody>
<tr>
<td><strong>Features and Benefits</strong></td>
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### Availability
- Supports fault-tolerant, integrated active /active Ultra160 RAID controllers
- Compatible with server-based PCiEx U320 RAID controllers
- Automatic controller failover/failback transparent to host w/o additional software
- Redundant hot-swap cooling fans
- Redundant hot-swap disk drives
- Redundant hot-swap load sharing power supplies
- Integrated battery backup unit for write cache protection
- Supports multiple, dedicated, pool and dynamic hot spares for complete disk drive protection
- Industry standard SAF-TE chassis design monitors and reports status of all components

### Performance
- Ultra320 SCSI JBOD and RAID architecture
- Data storage transfer speeds up to 320 MB/s per bus
- Supports 10k RPM and 15k RPM disk drives
- 512MB cache per RAID controller

### Scalability
- User-friendly upgrade path from JBOD to RAID
- Easy to configure several RAID groups and separate data partitions
- Scale to multi-terabyte solutions on a single RAID controller
- Dynamic on-line RAID expansion enables instant storage growth with no storage downtime
- Dual or single (optional) bus configurations within the same JBOD enclosure

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