SiliconGraphics ™
Authorized Independent Hardware Developer

RAID Array

Indy

Part #	Description	Specifications
LS981000-IN	10.0 GB RAID Array	Five (5) 2.0 GB SCSI-2 Disk Drives
LS982100-IN	21.0 GB RAID Array	Five (5) 4.2 GB SCSI-2 Disk Drives
LS984200-IN	42.0 GB RAID Array	Ten (10) 4.2 GB SCSI-2 Disk Drives
LS989000-IN	90.0 GB RAID Array	Ten (10) 9.0 GB SCSI-2 Disk Drives
LS9811200-IN	112.0 GB RAID Array	Thirteen (13) 9.0 GB SCSI-2 Disk Drives

Challenge L, XL, DM, Power Challenge, Challenge S, Onyx

Part #	Description	Specifications
LS98100-CH	10.0 GB RAID Array	Five (5) 1.0 GB SCSI-2 Disk Drives
LS982100-CH	21.0 GB RAID Array	Five (5) 4.2 GB SCSI-2 Disk Drives
LS984200-CH	42.0 GB RAID Array	Ten (10) 4.2 GB SCSI-2 Disk Drives
LS989000-CH	90.0 GB RAID Array	Ten (10) 9.0 GB SCSI-2 Disk Drives
LS9811200-CH	112.0 GB RAID Array	Thirteen (13) 9.0 GB SCSI-2 Disk Drives

Indigo2/Indigo2 IMPACT

Part #	Description	Specifications
LS98100-I2	10.0 GB RAID Array	Five (5) 1.0 GB SCSI-2 Disk Drives
LS982100-I2	21.0 GB RAID Array	Five (5) 4.2 GB SCSI-2 Disk Drives
LS984200-I2	42.0 GB RAID Array	Ten (10) 4.2 GB SCSI-2 Disk Drives
LS989000-I2	90.0 GB RAID Array	Ten (10) 9.0 GB SCSI-2 Disk Drives
LS9811200-I2	112.0 GB RAID Array	Thirteen (13) 9.0 GB SCSI-2 Disk Drives

Note: *Due to the limitations of the Silicon Graphics IRIX O/S, a total of fourteen 8.0 GB Disk Partitions are available in the RAID configuration, which limits total RAID capacities per SCSI address to 112.0 GB. Silicon Graphics has indicated that the new Irix 6.2, soon scheduled for release, will remove this limitation via the inclusion of XFS (Extended File System) in the new IRIX release. When operating in a RAID 3 or RAID 5 Environment, a portion of the total disk capacity in the RAID Array is dedicated to a parity disk, or the disk on which the information is stored redundantly. Operations under RAID Levels 3 or 5 will result in slightly reduced overall disk capacity as a result of the parity drive. Additional custom RAID Array configurations are available. Please contact your Legasys Sales Representative for pricing and custom RAID configuration information.*

Note: *Each Legasys RAID Array includes the number and capacity of disk drives noted, dedicated RAID controller, either 5 drive, 7 drive,10 drive, or a 20 drive RAID Enclosure, depending on the number of drives in the RAID, and all cables and additional accessories necessary for installation on the Silicon Graphics workstation noted in the Legasys part number.*

Note: *Standard features on all Legasys RAID Arrays include: Hot Swappable Power Supplies, Hot Swappable Disk Drives, Dedicated RAID Controller, Multi-Host Capability, UL and CSA Approved RAID Enclosures, and Set-Up and Testing of the RAID Level Specified. All drives are pre-formatted, labeled, and tested on Silicon Graphics Workstations.*

Note: *Multiple RAID Controller Configurations for True Fault Tolerant Capability are also available.*

RAID Arrays In The Silicon Graphics Environment ~

Legasys RAID Arrays range from 3.0 to 250 GB capacities with vastly improved Data Transfer Rates. Each Array supports RAID Levels of 0, 1, 3, 4, and 5 and uses only one SCSI Address. All RAID Arrays are 100% hardware and software compatible with Silicon Graphics. All Legasys RAID Arrays are available for the entire line of Silicon Graphics workstations, including the Indy, Indigo2, Indigo2 IMPACT, Challenge S, Power Challenge and the Challenge/Onyx workstations. Due to the manner in which RAID is implemented in the Silicon Graphics environment, overall performance, including sustained data transfer rates, will vary depending on the number of disk drives in the RAID. Generally speaking, minimum sustained data transfer rates will be 8.0 MB/sec on the smaller capacity RAID Arrays. Higher sustained data transfer rates of up to 17-19 MB/sec are achieved as the number of disk drives in the RAID increases. Even faster sustained higher data transfer rates, up to 70mb/sec, can be achieved via striping multiple RAID Arrays using the striping software resident in the Silicon Graphics Irix O/S.

R A I D   A R R A Y S

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