

The versatile storage solution optimized for data availability.

## Sun StorEdge™ D240 Media Tray

### HIGHLIGHTS

- Tightly integrated and tested solution for the Sun Fire™ 3800, 4800, 4810, and 6800 servers.
- Four-device configuration supports removable hard disk, tape, or DVD-ROM.
- Center bay supports two hot-swappable disk drives.
- Left and right 5.25-in. bays support interchangeable disk drive, tape, or DVD-ROM.
- Versatile: Can be used as a boot device, data-storage, data-load and data-interchange, or data-backup device.
- Provides connection options for single or dual bus configurations, providing maximum flexibility for one or two domain solutions.
- Dual hot-swappable, load-sharing power supplies help ensure uninterrupted operation.
- Slim, 2U rack-mount configuration consumes minimal space.
- Dual cooling fans optimize component reliability.

The Sun StorEdge™ D240 Media Tray is a compact, scalable, and highly flexible storage solution specifically designed to support the latest Sun Fire™ servers as the boot disk, data-load, and data-interchange solution. In a slim, 2U rackable or server-top configuration, it can accommodate a range of storage devices including removable hard disks, DVD-ROM, and tape backup. The Sun StorEdge D240 Media Tray features a single or dual bus configuration, supporting up to two independent server boot domains per system, and is ideal for installing software patches, file updates, and tape backup of the boot disk drive data. As a standard feature, the Sun StorEdge D240 Media Tray is optimized with dual hot-swappable, load-sharing power supplies contributing to maximum system availability.

A tightly integrated and versatile storage solution for the Sun Fire servers.



# Sun StorEdge™ D240 Media Tray Specifications

## Disk Drives

Capacity	18.2 GB
Average seek, read	8.0 ms
Average seek, write	9.0 ms
Average latency	3.0 ms
Burst data rate	40-MB/sec
Data transfer rate	12.5-MB/sec
Rotational speed	10k rpm
Buffer (minimum)	512 KB
MTBF (hours)	1,000,000 A

## DDS-4 Tape Drives

Formatted capacity (uncompressed)	20 GB
Formatted capacity (compressed)	40 GB@2:1
Burst data rate	40-MB/sec
Transfer rate (uncompressed)	3-MB/sec
Transfer rate (compressed)	6-MB/sec@2:1
Buffer	8 MB
MTBF (hours)	400,000@12% duty cycle

## DVD-ROM (backward compatible with CD-ROM)

	DVD-ROM	CD-ROM
Average access time	105 ms	85 ms
Drive speed	4x-10x	17x-40x
Rotational speed	5800 rpm	8500 rpm
Burst transfer rate	20-MB/sec	20-MB/sec
Data transfer rate	5540 to 13,500-KB/sec	2595 to 6843-KB/sec
MTBF (hours)	100,000@20% duty cycle	100,000@20% duty cycle

## Host Software

Solaris™ Operating Environment 8

## Hardware Platforms

Sun Fire 3800, 4800, 4810, and 6800 servers

## Environment

Input power	384 W, maximum
Input current	6 A, maximum
AC power	100-120/200-240 VAC, 47-63 Hz single phase
Heat output	341-BTU/hour maximum
Operating	5° C to 40° C (41° F to 104° F), 20% to 80% relative humidity, noncondensing 27° C maximum wet bulb at 3 km altitude

Note: Maximum 32° C with removable media

Nonoperating	-20° C to 60° C (-4° F to 140° F), 93% relative humidity, noncondensing at 12 km altitude
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## Acoustic Noise

Sound power operating (sequential)	LWAD = 6.6 Bels
Sound power idle	LWAD = 6.6 Bels

Note: LWAD (1 Bel = 10dB) Declared noise emissions in accordance with ISO 9296, measured at 23° C

## Regulations

Meets or exceeds the following requirements:	
RFI/EMI	FCC Class A; DOC Class A; VCCI Class A; EN 55022 Class A
Safety	UL 1950; CSA 950; EN 60950; CB Scheme with Nordic Deviations
Immunity	EN 550024; Sun 990-1151

## Dimensions and Weights

Rackmount	
Height	8.5 cm (3.4 in.)
Width	44.6 cm (17.6 in.)
Depth	66.4 cm (26.2 in.)
Weight/Full	22.8 kg (50 lb. max.)
Server top	
Height	9.7 cm (3.8 in.)
Width	46.0 cm (18.1 in.)
Depth	67.8 cm (26.7 in.)
Weight/Full	27.2 kg (60 lb. max.)

## Warranty/Service

Sun standard warranty



Sun StorEdge D240 Media Tray front view



Sun StorEdge D240 Media Tray back view



Example of Sun StorEdge D240 Media Tray in rack-mount configuration

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