

DataFree

1-to-2 Intelligent
SATA II internal RAID Solution



Cost effective

- ◆ DataFree is an affordable solution offering high cost/performance ratio.

Fault Tolerance

- ◆ DataFree support RAID level 0, 1, safeguarding your valuable assets from loss due to HDD failure or system crash.

Easy Installation and Manageability

- ◆ Enables an easy way of adding internal disk storage to a PC, workstation or network servers.

User Friendly

- ◆ DataFree is equipped with front panel LED indicators providing immediate visual status to the user.
- ◆ Provides windows-based GUI utility for management, configuration and monitoring.

Secure

- ◆ DataFree is a reliable solution that provides enhanced data protection.

Features

- ▶ 1-to-2 Intelligent SATA II RAID Solution.
- ▶ RAID 0, 1 support.
- ▶ Up to SATA II 3Gbps host and device port capability.
- ▶ Automatic Failover support in RAID 1 mode.
- ▶ Automatic Rebuild in RAID 1 mode.
- ▶ Easy to use automatic RAID mode configuration.
- ▶ 100GB/hr Rebuild speed without increasing the host CPU load.
- ▶ Device-to-device(s) copy during rebuild without the performance penalty on host CPU.
- ▶ Platform Independent: Supports virtually any platform with SATA drive port.
- ▶ OS Independent: Support virtually any OS that supports SATA drive.
- ▶ Simplicity: Can be directly attached to a SATA I or II host drive port.
- ▶ Ease of Integration: Standard full-height 5.25" form factor
- ▶ Serviceability: Drive bays with hot-swap capability
- ▶ Cost Effectiveness: Supports two, 1" SATA drives
- ▶ Indicators: LED for disk access, disk failure, over-heating and rebuild status
- ▶ Failure Notification: Front panel LED indicators for fan failure additionally backed up by an audible alarm
- ▶ Advanced Management and configuration utilities: GUI based management and configuration



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Series Technical Specifications



Model	DF-7505
Form-factor	Full height 5.25" internal mounting
RAID Level	0, 1
Operation Modes	RAID 0, 1, Spanning, JBOD
Host bus interface	SATA II 3Gb
Drive bus interface	SATA II 3Gb
Data transfer rate	Up to 3Gb/s
Hot-swap drive trays	Two (2) 1-inch trays
Cooling fan	1
Security lock	Yes
Audible alarm	Yes
Failed drive indicator	Yes
Automatic failover	Yes
Failed drive auto rebuild	Yes
Continuous rebuild	Yes
GUI RAID manager	Yes
Environmental	
Relative Humidity:	10% ~ 85% Non-condensing
Operating Temp:	10°C ~ 40°C (50°F ~ 104°F)
Physical Dimensions:	85.3(H) x 149(W) x 223(D)mm 3.36(H) x 5.87(W) x 8.78(D) inches
Weight	1.9kgs / 4.18lbs (without drives)

Specification are subject to change without notice.

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Operation Modes

Data Mirroring (RAID 1)	Allows device to automatically copy primary hard drive without any performance overhead on the CPU.
Data Striping (RAID 0)	Allows the device to perform striping which enables the drives to provide maximum throughput .
Drive Spanning	Allows the device to make any two drives appear as one large drive.
JBOD	Allows the direct attached PC to see each drive as just a bunch of drives.