

curvature

Curvature 2.5" SAS 6Gb/s 10K Hard Drives

Product Overview

Curvature offers enterprise-class 300GB, 600GB, and 900GB 2.5" 6Gb/s 10K SAS hard drives that meet manufacturer specifications and requirements. These series drives feature an operating reliability rating of 2,000,000 power-on hours. System compatibility is also assured through usage of the industry-standard 512 byte sector size.

These series drives are designed to support enterprise applications where reliability, high capacity, and performance are required. Specific applications include mid-range volume servers, blade and rackmount servers, and other mission-critical, power-conscious, data-intensive systems.

We stock a variety of enterprise hard drives in our Santa Barbara, Amsterdam, and Singapore distribution centers—enabling next day delivery to every major city in the world. **New Curvature Hard Drives** are available in multiple form factors at significant savings over manufacturer prices.



S00900X10NT-CURV

S00600X10NT-CURV

S00300X10NT-CURV

Warranty

Curvature offers a lifetime warranty on all hard drives. Premium maintenance and support is also available via NetSure®, Curvature's support and maintenance program.

Technical Specifications

Refer to the following pages.



Technical Specifications

	S00900X10NT - CURV	S00600X10NT - CURV	S00300X10NT - CURV
Basic Specifications			
Interface	SAS-2.0		
Interface Speed	6.0 Gbit/s , 3.0 Gbit/s , 1.5 Gbit/s		
Formatted Capacity	900 GB	600 GB	300 GB
Logical Data Block Length (HOST)	512 to 528 B (fixed length)		
Logical Data Block Length (DISK)	512 to 528 B (fixed length)		
Environmental Compliance	RoHS Compatible		
Performances			
Buffer Size	64 MiB FIFO ring buffer		
Rotation Speed	10,500 rpm		
Average Latency Time	2.86 ms		
Reliability			
Unrecoverable Error Rate	10 per 10 ¹⁷ bits read		
MTTF	2,000,000 hours		
Power Requirements			
Supply Voltage	5 V ±5 % , 12 V ±5 %		
Power Consumption (Idle-B)	3.9 W Typ.		
Energy Consumption Efficiency / Category Name	0.0044 / I	0.0057 / I	0.010 / F
Dimensions			
Height	15.0 mm +0 , -0.5 mm		
Width	69.85 mm ±0.25 mm		
Length	100.45 mm Max.		
Weight	240 g Max.		
Environmental Requirements			
Temperature (Operating)	5 to 55 °C		
Temperature (Non-operating)	-40 to 70 °C		
Humidity (Operating)	5 to 95 % R.H.		
Humidity (Non-operating)	5 to 95 % R.H.		
Altitude (Operating)	-305 to +3,048 m { -1,000 to +10,000 feet }		
Altitude (Non-operating)	-305 to +12,192 m { -1,000 to +40,000 feet }		
Vibration (Operating)	9.8 m/s ² { 1.0 G } (20 to 300 Hz)		
Vibration (Non-operating)	49 m/s ² { 5.0 G } (20 to 300 Hz)		
Shock (Operating)	980 m/s ² { 100 G } (1 ms duration)		
Shock (Non-operating)	3,920 m/s ² { 400 G } (2 ms duration)		