

Specifications



Ultrastar DC HA210

General

Interface	SATA 6 Gb/s
Capacity ¹	2TB / 1TB
Format: Sector size (bytes)	512 native (512n)

Performance

Data buffer (MB) ²	128
Rotational speed (RPM)	7,200
Interface transfer rate (MB/s, max)	600

Sustained transfer rate (MiB/s, typical)	191 / 175
(MB/s, typical)	200 / 184

Reliability

Error rate (non-recoverable bits read)	1 in 10 ¹⁵
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MTBF (M hours)	2
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Annualized Failure Rate (AFR) ⁴	0.44%
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Load/Unload cycles (at 40°C)	600,000
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Availability (hrs/day x days/wk)	24x7
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Limited Warranty (yrs)	5
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Acoustics

Idle/Operating (Bels, typical)	2.5/2.8
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Power

Requirement	+5 VDC, +12VDC
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Operating (W, typical)	8.1
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Idle (W)	5.9
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Physical Size

z-height (mm)	26.1
Dimensions (width x depth, mm)	101.6 (+/-0.25) x 147
Weight (g, typical)	640 (+/-10%)

Environmental (Operating)

Ambient temperature	5°C to 60°C
Shock (half-sine wave, 2ms, G)	65
Vibration (G RMS, 5 to 500 Hz)	1.08 (XYZ)

Environmental (Non-Operating)

Ambient Temperature	-40°C to 70°C
Shock (half-sine wave, 2ms, G)	300
Random Vibration (G RMS 2 to 200 Hz)	3.8 (XYZ)
