



Seagate Guardian BarraCuda ST1000LM048

Hard drive - 1 TB - internal - 2.5" - SATA 6Gb/s - 5400 rpm - buffer: 128 MB

Group	HDDs
Manufacturer	Seagate
Manufacturer item no.	ST1000LM048
EAN/UPC	0763649098301

Description

BarraCuda leads the industry with the highest capacities for desktops and mobile computers.

Get the most out of your storage with BarraCuda hard drives. From computers full of photos and memories to gaming PCs that need more room to play, BarraCuda grows with you.

Main features

Product Description	Seagate Guardian BarraCuda ST1000LM048 - hard drive - 1 TB - SATA 6Gb/s
Type	Hard drive - internal
Capacity	1 TB
Form Factor	2.5"
Interface	SATA 6Gb/s
Data Transfer Rate	600 MBps
Buffer Size	128 MB
Spindle Speed	5400 rpm
Features	QuietStep, Halogen Free, Ramp Load
Dimensions (WxDxH)	69.85 mm x 100.35 mm x 7 mm
Weight	90 g

Extended details

General

Device Type	Hard drive - internal
Capacity	1 TB
Form Factor	2.5"
Interface	SATA 6Gb/s
Buffer Size	128 MB
Bytes per Sector	4096
Features	QuietStep, Halogen Free, Ramp Load



Width	69.85 mm
Depth	100.35 mm
Height	7 mm
Weight	90 g
Performance	
Drive Transfer Rate	600 MBps (external)
Internal Data Rate	140 MBps
Spindle Speed	5400 rpm
Reliability	
Non-Recoverable Errors	1 per 10 ¹⁴
Load / Unload Cycles	600,000
Expansion & Connectivity	
Interfaces	SATA 6 Gb/s
Compatible Bay	2.5"
Power	
Power Consumption	1.6 Watt (read) † 1.7 Watt (write) † 0.45 Watt (idle)
Miscellaneous	
Compliant Standards	RoHS
Manufacturer Warranty	
Service & Support	Limited warranty - 2 years
Environmental Parameters	
Min Operating Temperature	0 °C
Max Operating Temperature	60 °C
Min Storage Temperature	-40 °C
Max Storage Temperature	70 °C
Shock Tolerance (operating)	400 g @ 2 ms
Shock Tolerance (non-operating)	1000 g @ 1 ms

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