

Toshiba MG08 Series MG08ACA16TE

Hard drive - 16 TB - internal - 3.5" - SATA 6Gb/s - 7200 rpm - buffer: 512 MB

Group	HDDs
Manufacturer	Toshiba
Manufacturer item no.	MG08ACA16TE
EAN/UPC	4260557511091



Description

Using an advanced 9-disk design pioneered by Toshiba, the MG08 Series provides great conventional magnetic recording (CMR) capacity and 7,200 rpm performance. The industry-standard 3.5-inch form-factor integrates easily into cloud-scale storage infrastructure, business-critical servers and storage, and File and Object storage solutions. Toshiba's precision industrial laser welding technology is put to use to seal helium inside the 9-disk mechanics. The massive capacity is delivered using proven CMR recording technology providing optimum application compatibility and data reliability. The MG08 Series models integrate easily into standard 3.5-inch drive bays to help reduce the footprint and operational burden of cloud-scale storage infrastructure, and business critical servers and storage systems.

Main features

Product Description	Toshiba MG08 Series MG08ACA16TE - hard drive - 16 TB - SATA 6Gb/s
Type	Hard drive - internal
Capacity	16 TB
Form Factor	3.5"
Interface	SATA 6Gb/s
Data Transfer Rate	600 MBps
Buffer Size	512 MB
Spindle Speed	7200 rpm
Features	Advanced format 512e, 24x7 availability, Persistent Write Cache technology, power loss data protection, Conventional magnetic recording (CMR), Helium Sealed-Drive Design
Dimensions (WxDxH)	101.85 mm x 147 mm x 26.1 mm
Weight	720 g

Extended details

General	
Device Type	Hard drive - internal
Capacity	16 TB
Form Factor	3.5"
Interface	SATA 6Gb/s
Buffer Size	512 MB
Features	Advanced format 512e, 24x7 availability, Persistent Write Cache technology, power loss data protection, Conventional magnetic recording (CMR), Helium Sealed-Drive Design

Width	101.85 mm
Depth	147 mm
Height	26.1 mm
Weight	720 g
Performance	
Drive Transfer Rate	600 MBps (external)
Spindle Speed	7200 rpm
Reliability	
MTBF	2,500,000 hours
24x7 Operation	Yes
Non-Recoverable Errors	10 per 10 ¹⁶
Load / Unload Cycles	600,000
Expansion & Connectivity	
Interfaces	1 x SATA 6 Gb/s
Compatible Bay	3.5"
Manufacturer Warranty	
Service & Support	Limited warranty - 5 years
Environmental Parameters	
Min Operating Temperature	5 °C
Max Operating Temperature	55 °C
Min Storage Temperature	-40 °C
Max Storage Temperature	70 °C
Humidity Range Operating	5 - 90% (non-condensing)
Shock Tolerance (operating)	70 g @ 2 ms
Shock Tolerance (non-operating)	250 g @ 2 ms
Vibration Tolerance (operating)	0.75 g @ 5-300 Hz
Vibration Tolerance (non-operating)	3 g @ 5-500 Hz

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