

Hitachi Ultrastar 7K6000 3.5" 4 TB SAS

Brand : Hitachi

Product family: Ultrastar

Product code: 0F22805

Product name : 7K6000

4TB, SAS 12Gb/s, 3.5", 7200 rpm, 128MB, 512e TCG

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As petabyte (PB) growth continues to increase at a rapid pace, corporate and cloud data centers are under extreme pressure to improve the efficiency of storage. To address this data center challenge, HGST introduces Ultrastar® 7K6000, delivering up to 6TB of capacity and an industry-standard, 3.5-inch hard drive, for capacity-optimized enterprise applications. Ultrastar 7K6000 provides 50% more capacity and 33% better power efficiency in terms of Watts per terabyte (W/TB) than its predecessor, Ultrastar 7K6000 also delivers greater storage efficiency through best-in-class performance, achieving up to 3X higher write performance, even at higher workloads, thanks to HGST media cache architecture, a disk-based caching technology, which provides a large non-volatile cache on the disk. Media cache also allows for improved reliability and data integrity during unexpected power loss.



| Features | | Power | |
|-----------------------------------|-----------|-----------------------------|-------------|
| HDD size * | 3.5" | Power consumption (typical) | 11 W |
| HDD capacity * | 4 TB | Power consumption (idle) | 7.7 W |
| HDD speed * | 7200 RPM | Operating voltage | 5 / 12 V |
| Interface * | SAS | Operational conditions | |
| Type * | HDD | Operating temperature (T-T) | 5 - 60 °C |
| Storage drive buffer size | 128 MB | Storage temperature (T-T) | -40 - 70 °C |
| HDD interface transfer rate | 12 Gbit/s | Operating vibration | 0.67 G |
| Read seek time | 7.6 ms | Non-operating vibration | 1.04 G |
| Write seek time | 8 ms | Operating shock | 70 G |
| Average latency | 4.16 ms | Non-operating shock | 300 G |
| Bytes per sector | 512 | Weight & dimensions | |
| Mean time between failures (MTBF) | 2000000 h | Width | 101.6 mm |
| | | Height | 26.1 mm |
| | | Depth | 147 mm |
| | | Weight | 715 g |

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