

IBM Ultrastar 146Z10

IBM UltraStar 146Z10 - Hard drive - 146.8 GB - standard - 3.5" - Ultra320 SCSI - 10000 rpm - 8 MB



Part Number: 08K0362

Overview

IBM presents the sixth generation of IBM Ultrastar 10,000 rpm disk drives. The IBM Ultrastar 146Z10 drive family offers high quality and superior performance. These drives feature more powerful processors and read/write channels to excel in server-class environments.

To achieve maximum I/O performance, the drives combine fast seek times, large 8 MB multi-segmented buffers, a sophisticated command queuing algorithm, hardware automation, and superior data rates (825 Mbps). Ultrastar 146Z10 drives include a servo technology (Rotational Vibration Safeguard "RVS"), employed to counteract the effects of rotational vibration that commonly occur in multi-drive cabinets. They also employ a fifth-generation giant magnetoresistive (GMR) head technology to double areal density from previous generation drives (26.3 Gbits/sq.in.) and boost performance. In addition, highly efficient No-ID sector formatting enables more data to be stored per disk.

Specifications

Product Description	IBM UltraStar 146Z10 - hard drive - 146.8 GB - Ultra320 SCSI
Type	Hard drive - standard
Form Factor	3.5" x 1/3H - internal
Dimensions (WxDxH)	4 in x 5.7 in x 1 in
Weight	1.8 lbs
Formatted Capacity	146.8 GB
Interface Type	Ultra320 SCSI LVD
Data Transfer Rate	320 MBps
Average Seek Time	4.7 ms
Spindle Speed	10000 rpm
Heads (Physical)	12
Recoverable Errors (Non-Recoverable Errors)	(10 per 10 ¹⁶)
Cache / Buffer Size	8 MB