



536DX

Maximize your computer's data storage capacity with Maxtor 536DX hard drives. These high-capacity drives, available in formatted capacities up to 100GB, are designed for fast desktop systems and small workstations. They're specifically suited to storage-hungry multimedia and Internet applications where high burst and sustained transfer rates are crucial. Their Ultra ATA/100 interface and 2MB SDRAM cache buffer provide data transfer speeds up to 100 megabytes per second. They also have Maxtor Adaptive ATA Control™ for unsurpassed data integrity and Maxtor Silent Store™ technology for whisper-quiet acoustic performance. Whether your application is technical, multimedia or Internet-based, the Maxtor 536DX delivers an unbeatable combination of capacity, speed and reliability.

5400 RPM

**3.5-INCH
CAPACITY-CLASS
HARD DRIVES**

Capacities up to 100GB

*Designed for
Desktop Systems*

HIGHLIGHTS:

*Fast ATA/Enhanced
IDE compatible*

*Digital Signal Processor
(DSP)-Based Architecture*

*Ultra ATA/100
Data Transfer Rate*

*2MB SDRAM
Cache Buffer*

11 ms Seek Time

*No Quibble Service[®]
and Support*



Maxtor Industry Awards



Best Buy
DiamondMax Plus 60 and VL 40
PC World, March 2001



Best of the Best: Hardware
DiamondMax 80 (80GB)
Smart Business, January 2001



Recommended List
DiamondMax Plus 60 (60GB)
Winmag.com, December 2000



Kick Ass Product
DiamondMax Plus 40 (40GB)
Maximum PC, April 2000

536DX

The Maxtor 536DX delivers outstanding capacity including:

- Up to 100GB of data storage capacity
- Fast data transfer speeds (up to 100MB/sec)
- 5400 RPM spin speed
- 11 ms average seek
- 2MB cache buffer
- 3-year warranty

MODEL	4W100H6	4W080H6	4W060H4	4W040H3	4W030H2
CAPACITY	100GB	80GB	60GB	40GB	30GB
HEADS	6	6	4	3	2
PLATTERS	3	3	2	2	1

PERFORMANCE SPECIFICATIONS

Seek Times (typical read, ms)	
Track to Track	1.0
Average (normal seek)	11.0
Full Stroke (normal seek)	20.0
Average Latency	5.55
Controller Overhead	< 0.3
Drive Ready Time (typical, sec)	< 10

DATA TRANSFER SPEED (MBYTE/SEC, MAX)

To/From Interface	100
To/From Media	43.2
Sustained at OD	29.0
Sustained at ID	16.4

DRIVE CONFIGURATION

Integrated Controller	Ultra ATA/100
Buffer Size	2 MB
Buffer Type	SDRAM
Data Zones per Surface	16
Bytes per Sector/Block	512
Rotation Speed (RPM ± 0.1%)	5400

RELIABILITY SPECIFICATIONS

Start/Stop Cycles (min)	> 50,000
Component Design Life (min)	5 years
Data Errors (non-recoverable)	< 1 per 10E15 bits read
Annualized Failure Rate (AFR)	< 0.5%

POWER REQUIREMENTS (RMS AVERAGE)

MODE	12V (MA)	5V (MA)	POWER (W)
Spin-up (peak)	640	340	---
Seek	370	370	6.2
Read/Write	280	390	5.5
Idle	180	340	4.0
Standby	30	140	1.0
Sleep	30	100	0.8

ENVIRONMENTAL LIMITS

ACOUSTICS¹ (SOUND POWER: BEL)

Idle mode (track following at speed)	3.0 avg
	3.2 max
Normal seek mode	3.4 avg
	3.6 max

TEMPERATURE

Operating	5° C to 55° C
Non-operating, Storage	- 40° C to 71° C

RELATIVE HUMIDITY (NON-CONDENSING)

Operating, Non-operating, Storage	5% to 95%
Maximum Wet Bulb, Operating	27° C

VIBRATION

Operating, random, no errors ²	10 to 300 Hz at 0.004 G ² /Hz
	301 to 500 Hz at 0.00005 G ² /Hz
Non-operating, random	10 to 2,000 Hz at 4.08 Grms, no damage
Operating, swept sine (1 octave/minute, peak amplitude)	
10 to 300 Hz	1.0 G
301 to 400 Hz	0.25 G
401 to 500 Hz	0.0625 G

SHOCK

Operating Mechanical Shock	30 Gs, 2 ms, no errors ²
Non-operating Mechanical Shock	300 Gs, 2 ms, no damage ²

PHYSICAL DIMENSIONS

Height (max mm)	26.1 mm
Width (typical mm)	101.6 mm
Length (max mm)	147.0 mm
Weight (max kg)	0.580 kg



All Maxtor products are backed by the *No Quibble Service*[®] policy, the benchmark for service and support in the industry. *No Quibble* includes:

- Advance replacement in 2 business days
- MaxFax[®] 24-hour automated technical support
- Maxtor's commitment to total customer satisfaction
- Product support representatives available Monday–Friday

For more information on Maxtor storage products, visit our website at www.maxtor.com. To speak with a Maxtor product support representative, call: (U.S. and Canada) 1-800-2MAXTOR. Available 5 A.M.–5 P.M. (PT) Mon–Fri; (Europe) +353 1 204 1111. Available 9:30 A.M.–6 P.M. (CET) Mon–Thurs and 9:30 A.M.–5 P.M. (CET) Fri; (Asia/Pacific) +61 2 9369 3662. Available 8 A.M.–5:30 P.M. (GMT+8) Mon–Fri.

Specifications subject to change without notice. GB means 1 billion bytes. Total accessible capacity varies depending on operating environment. ¹Acoustics measured at sea level. ²Without non-recoverable errors. Adaptive ATA Control, DualWave, MaxSafe, Silent Store and ShockBlock are trademarks of Maxtor. Maxtor, MaxFax and No Quibble Service are registered trademarks of Maxtor Corporation. Copyright © 2001 Maxtor Corporation. Printed in the U.S.A. 5/01 536DX/5089 60K Muller

