

CONSUMER ELECTRONICS

Designed for CE applications:

- *Game Consoles*
- *Audio Jukeboxes*
- *Personal Video
Recorders*

***AV Capacities from
20GB, 30GB & 40GB***

***3.5-Inch 5400 RPM
Consumer
Electronics Hard
Disk Drives***

FEATURES:

- **Advanced
mechanical design**
- **Gaming capacity
sweet spot**
- **AV streaming
capability**
- **Shock Protection
System**
- **Integrated security
features**

Fireball™ 3



CE Proven

Maxtor QuickView CE hard disk drives

Recognized as the leader in consumer electronics (CE) products, Maxtor continues to focus on the advanced development of QuickView® hard disk drives with proven CE features such as Quiet Drive Technology, AV streaming performance, innovative designs, Thermal Monitoring System, Shock Protection System™, and environmental optimization.

Maxtor MaxLabs

Established in 1997, MaxLabs™ is a global, distributed set of design, integration and test services to optimize hard-disk-drive-based platforms for the Consumer Electronics market. MaxLabs leverages dozens of shipping CE design wins bringing integrated AV disk drive products to market with the performance, reliability, and quality demanded by our OEM customers and consumers alike.

Game Consoles

The future generation of game consoles will incorporate Maxtor QuickView CE hard disk drive storage and advanced mechanics. Game artists and designers can create and expand the design features allowing game players to take their gaming experiences to the next level. QuickView CE hard disk drives bring personal video recorder features such as record, store, rewind, and fast forward into the game console arena enabling exciting new gaming adventures.



Fireball™ 3

Capacity	20GB	30GB	40GB
Model ATA/133, 2MB Buffer, Ball Bearing Motor	2F020J0	2F030J0	2F040J0
ATA/133, 2MB Buffer, FDB Motor	2F020L0	2F030L0	2F040L0

Note: J-BB motors, L-FDB motor

Performance Specifications

Rotational Speed	5400 RPM
Buffer Size	2MB
External Transfer Rate (Mbytes/sec)	ATA/133
Average Seek (msec)	<11.3
Average Latency (msec)	<5.5

Drive Configuration

Bytes per Sector/Block	512
Logical CHS	16,383/16/63

Reliability Specifications

Head Load/Unload (min)	100,000
Component Design Life (min)	5 years
Data Errors (non-recoverable)	<1 per 10E 15 bits read
Annualized Return Rate (ARR)	<1%

Power Requirements

Mode	5V	12V
Seek (mA)	411	342
Idle (mA)	331	190
Standby (mA)	110	22

Environmental Limits

CE Acoustics

Idle (FDB typical; bel)	2.3
Seek (FDB typical; bel)	2.4

CE Temperature

Operating (°C)	5 to 60
Non-operating (°C)	-40 to 71

CE Shock

Operating Mechanical Shock 2msec (G)	60
Non-operating Mechanical Shock 2msec (G)	350

Physical Dimensions

Height (max mm)	17.5
Width (typical mm)	101.6
Length (max mm)	146.1
Weight (LB/g)	1.11/505

Specifications subject to change without notice. GB means 1 billion bytes. Total accessible capacity varies depending on operating environment. Seek times and acoustics are average values. Seek performance developed utilizing technology licensed from Convolve, Inc. ©2002 Maxtor Corporation. Maxtor and QuickView are registered trademarks of Maxtor Corporation. Fireball, Shock Protection System and MaxLabs are trademarks of Maxtor Corporation. All other brands or products are trademarks or registered trademarks of their respective holders. Actual products may vary from photos shown. Maxtor Corporation, 500 McCarthy Boulevard, Milpitas, CA 95035 9/02 6503 JC/PDF/web



For more information on Maxtor storage products, visit our website at www.maxtor.com

All Maxtor products are backed by our leading service and support staff.

Service includes:

- Advance replacement in 2 business days
- 24-hour on-line troubleshooting tools and e-mail
- Maxtor's commitment to total customer satisfaction
- Product support representatives available Monday-Friday

To speak with a Maxtor product support representative in the U.S. and Canada, call 1-800-2MAXTOR, Mon.-Fri. from 5 a.m. to 5 p.m (PST).

In Europe, call +353 1 204 1111 Mon.-Thur. from 8:30 a.m. to 5 p.m (GMT) and Fri. 8:30 a.m. to 4 p.m. (GMT).

In Australia, call +61 2 9369 3662. In Japan, call 00531653616, And in Singapore, call 65-6852-0220 or 1-800-481-6788.

