

Fireball™ EX

Specifications

Fireball EX	3.2	5.1	6.4	10.2	12.7
Form Factor	3.5 inch (low profile)				
Interfaces	Ultra ATA				
Formatted Capacity (MB ¹)	3,228	5,130	6,448	10,262	12,750
Disk Drive Configuration					
Recording Surfaces	2	3	4	6	8
AT Logical					
Cylinders	6,256	10,602	13,328	19,885	24,704
Heads	16	15	15	16	16
Sectors	63	63	63	63	63
Performance Specifications					
Typical Seek Times ² (ms)					
Average			9.5		
Track-to-Track			2		
Full Stroke			18		
Average Rotational Latency (ms)			5.56		
Rotational Speed (RPM)			5,400		
Internal Data Rate (Mb/sec)			Up to 187		
Data Transfer Rates (Buffer-to-Host)					
ATA (MB/sec)					
Ultra DMA/33			33.3		
PIO Mode 4			16.6		
DMA Mode 2			16.6		
Buffer Size (KB)					
Ultra ATA			512		
Typical Power On to Drive Ready (sec)			9.5		
Reliability Specifications					
Start/Stop Cycles (Ambient)			50,000		
Nonrecoverable Data Errors (per bits read)			<10 per 10 ¹⁴		
Warranty ³ (years)			3		
Physical Specifications					
Dimensions - inches (mm)					
Width			4.00 (101.6)		

Length	5.75 (146.1)
Height	1.00 (25.4)
Weight - pounds (kg)	<1.2 (<0.55)

Environmental Limits

Operating	
Temperature (oC)	5 to 55
Non-Condensing Humidity (%)	10 to 90
Non-operating	
Temperature (oC)	-40 to 65
Non-Condensing Humidity (%)	5 to 95
Idle Sound (typ)	
Pressure (dBA)	32
Power (bels)	3.6

Power Specifications

Nominal Voltage (V)	+5/+12
Voltage Margin (%)	±5/±10
Typical Power Draw (W)	
Idle	6.0
Operating ⁴	11.0
Peak Current (mA on +5V/+12V)	700/1,700

¹. Quantum defines a megabyte (MB) as 10⁶ or 1,000,000 bytes.

². Seek times are at nominal conditions and include settling.

³. This warranty is standard when products are purchased directly through authorized Quantum distributors/dealers. Unless otherwise agreed, a one-year warranty is provided to all OEMs purchasing directly from Quantum. End-user warranties provided by computer manufacturers may vary.

⁴. Operating is defined as 40% seeking, 30% reading, 10% writing, and 20% idle.