


| Product Description | Seagate 160GB Barracuda HDD |
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| <p>The World's toughest and quietest high performance desktop drive with record setting storage density.</p> |  |

Product Specification

MAIN SPECIFICATIONS

| | |
|------------------------------|--|
| Manufacturer | Seagate Technology |
| Manufacturer Part Number | ST3160023A-RK |
| Manufacturer Website Address | www.seagate.com |
| Product Line | Barracuda |
| Product Name | Barracuda 7200.7 plus 160GB Hard Drive |

EXTENDED SPECIFICATIONS

Technical Information

| | |
|-------------------|--------------------------|
| Storage Capacity | 160GB |
| Heads | 4 Physical 16 Logical |
| Cylinders | 16383 |
| Discs/Platters | 2 |
| Bytes per Sector | 512 |
| Sectors per Track | 63 |

Drive Performance

| | |
|--------------------|--|
| Data Transfer Rate | 100Mbps External Maximum 85.375Mbps Internal >58Mbps Sustained Average |
| Rotational Speed | 7200 rpm |
| Seek Time | 8.5 ms Average |
| Latency | 4.16 ms Average |
| Buffer | 8MB |
| Start/Stop Cycles | 50000 |

Product Specification Continued

Interfaces/Ports

Interfaces/Ports Ultra ATA/100 (ATA-6) IDE/EIDE

Reliability

Shock Tolerance 63Gs @ 2 ms Operating
350Gs @ 2 ms Non-operating

Data Error Rate 1/10E14 bits Read Non-recoverable

Power Description

Input Voltage 5 V DC $\pm 5\%$
12 V DC $\pm 10\%$
Input Current 2.8 A Typical @ 12V DC Operating
Power Consumption 12.5W Seek(s)
12W Read/Write
7.5W Idle
0.9W Standby

Environmental Conditions

Temperature 0 °C to 60 °C Operating
-40 °C to 70 °C Non-operating
Sound Emission 25 dB Idle (Typical)
28 dB Quiet Seek
34 dB Performance Seek

Physical Characteristics

Form Factor 3.5" Internal
Dimensions 2.6cm Height x 10.16cm Width x 14.7cm Depth
Weight 0.635 kg

Miscellaneous

Additional Information 3D Defence System for comprehensive protection against handling damage and data loss
Recording Method: 96/102 GPRML

Best-Fit Applications:

Mainstream and High Performance PC's
Entry level ATA Servers, including RAID
PC Gaming Systems
Home Media Servers, Near-Line Storage

Certifications & Standards Warranty

S.M.A.R.T

Standard Warranty 1 Year(s) Limited - Worldwide
Parts Warranty/Labour 1 Year(s)