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| WD Caviar® SE16 |

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| http://www.wdc.com/global/images/products/lftnocvr/120/wdfDesktop_SE16_AAKS.jpg**WD2500AAKS**View More Photos |

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| **SATA Hard Drives****250 GB, 300 MB/s, 16 MB Cache, 7200 RPM****Lightning Fast****Cool****Quiet**Lightning-fast performance and cool, quiet operation perfect for Windows Vista™.  |
| Az űrlap tetejeAz űrlap alja |

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| **Performance Specifications** |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Rotational Speed | 7,200 RPM (nominal) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Buffer Size | 16 MB |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Average Latency | 4.20 ms (nominal) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Start/Stop Cycles | 50,000 minimum |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| **Seek Times** |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Read Seek Time | 8.9 ms |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Write Seek Time | 10.9 ms (average) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Track-To-Track Seek Time | 2.0 ms (average) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Full Stroke Seek | 21.0 ms (average) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| **Transfer Rates** |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Buffer To Host (Serial ATA) | 300 MB/s (Max) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Buffer To Disk | 972 Mbits/s (Max) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifhttp://www.wdc.com/en/images/lt_blue_top.gif |
| **Physical Specifications** |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Formatted Capacity | 250,059 MB |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Capacity | 250 GB |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Interface | SATA 300 MB/s |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | User Sectors Per Drive | 488,397,168 |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifhttp://www.wdc.com/en/images/lt_blue_top.gif |
| **Physical Dimensions** |
| **English** |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Height | 1.028 Inches (Max) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Length | 5.787 Inches (Max) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Width | 4.00 Inches (+/- 0.010 inch) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Weight | 1.33 Pounds |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| **Metric** |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Height | 25.4 mm (Max) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Length | 147 mm (Max) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Width | 101.6 mm |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Weight | 0.60 kg |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifhttp://www.wdc.com/en/images/lt_blue_top.gif |
| **Environmental Specifications** |
| **Shock** |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Operating Shock (Read) | 65G, 2 ms |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Non-operating Shock | 350G, 2 ms |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| **Acoustics** |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Idle Mode | 25 dBA (average) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Seek Mode 0 | 26 dBA (average) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Seek Mode 3 | 26 dBA (average) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| **Temperature (English)** |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Operating | 32° F to 140° F |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Non-operating | -40° F to 149° F |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| **Temperature (Metric)** |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Operating | -0° C to 60° C |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Non-operating | -40° C to 65° C |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| **Humidity** |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Operating | 5-95% RH non-condensing |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Non-operating | 5-95% RH non-condensing |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| **Altitude (English)** |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Operating | -1,000 feet to 10,000 feet |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Non-operating | -1,000 feet to 40,000 feet |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| **Altitude (Metric)** |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Operating | -305M to 3,050M |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Non-operating | -305M to 12,200M |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| **Vibration** |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Operating |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifLinear | 20-300 Hz, 0.75 G (0 to peak) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifRandom | 7-500 Hz (0.00221 g² / Hz) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Non-operating |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifLow Frequency | 10-300 Hz, 0.195 inches (double amplitude) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifHigh Frequency | 300-500 Hz, 5.0G (0 to peak) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifhttp://www.wdc.com/en/images/lt_blue_top.gif |
| **Electrical Specifications** |
| **Current Requirements** |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | 12 VDC |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifRead/Write | 395 mA |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifIdle | 380 mA |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifStandby | 6 mA |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifSleep | 6 mA |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | 5 VDC |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifRead/Write | 660 mA |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifIdle | 532 mA |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifStandby | 180 mA |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifSleep | 180 mA |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Power Dissipation |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifRead/Write | 7.80 Watts |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifIdle | 7.20 Watts |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifStandby | 0.97 Watts |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifSleep | 0.97 Watts |

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| http://www.wdc.com/global/images/products/lftnocvr/120/wdfEnterprise_RE_SATA_YS.jpg**WD2500YS**View More Photos |

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| **SATA Hard Drives****250 GB, 3 Gb/s, 16 MB Cache, 7200 RPM****1 Million Hours MTBF****Server-class****5-year Limited Warranty**The best combination of high-reliability and high-capacity, combined with a 5-year limited warranty make these the perfect solution for your enterprise storage needs.  |

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| **Performance Specifications** |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Rotational Speed | 7,200 RPM (nominal) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Buffer Size | 16 MB |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Average Latency | 4.20 ms (nominal) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Start/Stop Cycles | 50,000 minimum |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| **Seek Times** |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Read Seek Time | 8.7 ms |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Track-To-Track Seek Time | 0.6 ms (average) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Full Stroke Seek | 21.0 ms (average) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| **Transfer Rates** |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Buffer To Host (Serial ATA) | 3 Gb/s (Max) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Buffer To Disk | 70 MB/s (Sustained) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifhttp://www.wdc.com/en/images/lt_blue_top.gif |
| **Physical Specifications** |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Formatted Capacity | 250,059 MB |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Capacity | 250 GB |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Interface | SATA 300 MB/s |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | User Sectors Per Drive | 490,234,752 |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifhttp://www.wdc.com/en/images/lt_blue_top.gif |
| **Physical Dimensions** |
| **English** |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Height | 1.028 Inches (Max) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Length | 5.787 Inches (Max) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Width | 4.00 Inches (+/- 0.010 inch) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Weight | 1.32 Pounds |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| **Metric** |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Height | 26.1 mm (Max) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Length | 147 mm (Max) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Width | 101.6 mm |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Weight | 0.60 kg |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifhttp://www.wdc.com/en/images/lt_blue_top.gif |
| **Environmental Specifications** |
| **Shock** |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Operating Shock (Read) | 65G, 2 ms |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Non-operating Shock | 250G, 1 ms |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| **Acoustics** |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Idle Mode | 28 dBA (average) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Seek Mode 0 | 33 dBA (average) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| **Temperature (English)** |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Operating | 41° F to 140° F |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Non-operating | -40° F to 158° F |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| **Temperature (Metric)** |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Operating | 5° C to 60° C |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Non-operating | -40° C to 70° C |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| **Humidity** |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Operating | 5-95% RH non-condensing |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Non-operating | 5-95% RH non-condensing |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| **Altitude (English)** |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Operating | -1,000 feet to 10,000 feet |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Non-operating | -1,000 feet to 40,000 feet |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| **Altitude (Metric)** |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Operating | -305M to 3,050M |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Non-operating | -305M to 12,200M |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| **Vibration** |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Operating |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifLinear | 20-300 Hz, 0.75G (0 to peak) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifRandom | 0.004 g²/Hz (10 to 300 Hz) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Non-operating |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifLow Frequency | 5-20 Hz, 0.195 inches (double amplitude) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifHigh Frequency | 20-500 Hz, 4.0G (0 to peak) |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifhttp://www.wdc.com/en/images/lt_blue_top.gif |
| **Electrical Specifications** |
| **Current Requirements** |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | 12 VDC |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifRead/Write | 550 mA |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifIdle | 450 mA |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifStandby | 16 mA |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifSleep | 16 mA |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | 5 VDC |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifRead/Write | 850 mA |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifIdle | 690 mA |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifStandby | 370 mA |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifSleep | 360 mA |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif |

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| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | Power Dissipation |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifRead/Write | 10.75 Watts |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifIdle | 8.90 Watts |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifStandby | 2.00 Watts |
| http://www.wdc.com/global/navigation/LeftNav/images/spacer.gif | http://www.wdc.com/global/navigation/LeftNav/images/spacer.gifSleep | 2.00 Watts |