



3.5 HDD DATA SHEET

Tough. Ready. Scalable. Purpose-built for Creative Pro &Medium-to-Large Business NAS Environments

IronWolf[™] Pro is designed for commercial and enterprise NAS. Delivering Tough, Ready and Scalable 24x7 performance in multibay, multi-user environments



IRONWOLF PRO

Best-Fit Applications

- Commercial and Enterprise NAS
- Video Production RAID and Shared Network Storage
- · Workstations and Servers



Key Advantages

Optimised for NAS with AgileArray™ AgileArray enables Dual-Plane Balancing and Time-Limited Error Recovery to deliver best-in-class RAID performance in multi-bay systems.

`Always On, Always Accessible IronWolf Pro drives are designed for 24x7 usage, allowing users to access their data any time, anywhere.

All-CMR Portfolio All IronWolf Pro drives utilise conventional magnetic recording (CMR) technology for consistent, best-in-class NAS performance.

Up to 24 TB Broad range of capacity options to deliver scalable and cost-efficient storage solutions.

Built Tough IronWolf Pro drives are rated for 550 TB/yr workload, allowing commercial and enterprise NAS users to seamlessly store, share and collaborate on large amounts of networked data.

Class-Leading Reliability and Dependability IronWolf Pro drives are rated for 2.5M hours MTBF and include a 5-year limited warranty for hassle-free data storage and best-inclass total cost of ownership (TCO).

Rotational Vibration (RV) sensors. Built-in RV sensors for vibration tolerance and consistent performance in multi-bay systems.

IronWolf Health Management (IHM)¹ Actively protect your NAS data with Prevention, Intervention, and Recovery recommendations to ensure peak system health.

Peace of mind with Data Recovery² IronWolf Pro drives include 3 years of complimentary Rescue Data Recovery Services - in-house secure facilities, with an industry-leading recovery rate of 95% - so you do not have to incur high recovery costs in the event of accidental data corruption or drive damage.

1 IHM is enabled on all leading NAS systems. Please check with your NAS vendor or a Seagate sales representative for more details. 2 Rescue Data Recovery Services not available in all countries. Contact your Seagate sales representative for further details.





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|---|--------------------|--------------------|--------------------|--------------------|-------------------|
| Specifications | 24 TB | 22 TB | 20 TB | 18 TB | 16 TB |
| Standard Model Number | ST24000NT002 | ST22000NT001 | ST20000NT001 | ST18000NT001 | ST16000NT001 |
| Interface | SATA 6Gb/s | SATA 6Gb/s | SATA 6Gb/s | SATA 6Gb/s | SATA 6Gb/s |
| Features Drive Page Compared | I Indiana da and | I Indiana is a st | I Indiana is a st | I Indiana is a st | I Indiana is a st |
| Drive Bays Supported | Unlimited | Unlimited | Unlimited | Unlimited | Unlimited |
| Recording Technology | CMR | CMR | CMR | CMR | CMR |
| Drive Design (Air or Helium) | Helium | Helium | Helium | Helium | Helium |
| Workload Rate Limit (WRL) | 550 | 550 | 550 | 550 | 550 |
| Rotational Vibration (RV) Sensors | Yes | Yes | Yes | Yes | Yes |
| Cache (MB) | 512 MB | 512 MB | 256 MB | 256 MB | 256 MB |
| Reliability/Data Integrity | | | | | |
| Mean Time Between Failures (MTBF, hours) | 2500000 hr | 2500000 hr | 2500000 hr | 2500000 hr | 2500000 hr |
| Non-recoverable Read Errors per Bits Read, Max | 1 per 10E15 | 1 per 10E15 | 1 per 10E15 | 1 per 10E15 | 1 per 10E15 |
| Power-On Hours (per year) | 8,760 | 8,760 | 8,760 | 8,760 | 8,760 |
| Sector Size (Bytes per Logical Sector) | 512E | 512E | 512E | 512E | 512E |
| Rescue Data Recovery Services (years)3 | 3 | 3 | 3 | 3 | 3 |
| Limited Warranty (years) | 5 | 5 | 5 | 5 | 5 |
| Performance | | | | | |
| Spindle Speed (RPM) | 7200RPM | 7200RPM | 7200RPM | 7200RPM | 7200RPM |
| Interface Access Speed (Gb/s) | 6.0, 3.0, 1.5 | 6.0, 3.0, 1.5 | 6.0, 3.0, 1.5 | 6.0, 3.0, 1.5 | 6.0, 3.0, 1.5 |
| Max. Sustained Transfer Rate OD (MB/s) | 285 | 285 | 285 | 285 | 270 |
| Rotational Vibration @ 10-1500 Hz (rad/s) | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 |
| Power Consumption | | | | | |
| Startup Current, Typical (12V, A) | 2.0 A | 2.0 A | 2.0 A | 2.0 A | 2.0 A |
| Idle Power, Average (W) | 6.3 W | 6.0 W | 5.7 | 5.0 | 5.0 |
| Average Operating Power (W) | 7.8 W | 7.9 W | 7.7 W | 7.5 W | 7.6 W |
| Standby Mode, Typical (W) | 1.1 W | 1.2 W | 1.2 W | 1.0 | 1.0 W |
| Sleep Mode, Typical (W) | 1.1 W | 1.2 W | 1.2 W | 1.0 | 1.0 W |
| Power Supply Requirements | +12 V and +5 V | +12 V and +5 V |
| Environmental/Temperature | | | | | |
| Operating Temperature (ambient, min °C) | 5°C | 0°C | 0°C | 0°C | 0°C |
| Operating Temperature (drive reported, max °C) 4 | 65°C | 65°C | 65°C | 65°C | 65°C |
| Non-operating Temperature (ambient, min °C) | -40°C | -40°C | -40°C | -40°C | -40°C |
| Non-operating Temperature (ambient, max °C) | 70°C | 70°C | 70°C | 70°C | 70°C |
| Environmental/Acoustics | | | | | |
| Vibration, Non-operating: 10 Hz to 500 Hz (Grms) | 2.27 | 2.27 | 2.27 | 2.27 | 2.27 |
| Acoustics, Idle (typical, measured in Idle 1 state) (dBA) | 20 | 20 | 20 | 20 | 20 |
| Acoustics, Seek (typical) (dBA) | 26 | 26 | 26 | 26 | 26 |
| Environmental/Shock | | | | | |
| Shock, Operating 2 ms (Read/Write) (Gs) | 40/40 Gs | 40/40 Gs | 40/40 Gs | 40 | 50/50 Gs |
| Shock, Non-operating, 1 ms and 2 ms (Gs) | 200 | 200 | 200 | 200 | 200 |
| Physical | | | | | |
| Height (mm/in) | 26.11 mm/1.028 in | 26.11 mm/1.028 in | 26.11 mm/1.028 in | 26.11 mm/1.028 in | 26.11 mm/1.028 in |
| Width (mm/in, max) | 101.85 mm/4.01 in | 101.85 mm/4.01 in | 101.85 mm/4.01 in | 101.85 mm/4.01 in | 101.85 mm/4.01 in |
| Depth (mm/in, max) | 146.99 mm/5.787 in | 146.99 mm/5.787 in | 146.99 mm/5.787 in | 146.99 mm/5.787 in | |
| Weight (g/lb, typical) | 685 g/1.512 lb | 690 g/1.512 lb | 690 g/1.521 lb | 680 g/1.499 lb | 670 g/1.477 lb |
| Carton Unit Quantity | 20 | 20 | 20 | 20 | 20 |
| Cartons per Pallet / Cartons per Layer | 40/8 | 40/8 | 40/8 | 40/8 | 40/8 |
| Tamana por ramotir dantono por Edyor | .0,0 | .5/5 | .5/5 | .5/5 | . 3/ 8 |





| Specifications | 14 TB | 12 TB | 10 TB | 8 TB | 6 TB |
|---|--------------------|--------------------|--------------------|--------------------|---------------------|
| Standard Model Number | ST14000NT001 | ST12000NT001 | ST10000NT001 | ST8000NT001 | ST6000NT001 |
| Interface | SATA 6Gb/s |
| Features | C/TI/T GGB/G | CATAL GALAGE | C/TITT GGE/G | C/TITT GGE/G | <i>671171 GGB/G</i> |
| Drive Bays Supported | Unlimited | Unlimited | Unlimited | Unlimited | Unlimited |
| Recording Technology | CMR | CMR | CMR | CMR | CMR |
| Drive Design (Air or Helium) | Helium | Helium | Air | Air | Air |
| Workload Rate Limit (WRL) | 550 | 550 | 550 | 550 | 550 |
| Rotational Vibration (RV) Sensors | Yes | Yes | Yes | Yes | Yes |
| Cache (MB) | 256 MB |
| Reliability/Data Integrity | 200 1112 | 200 1112 | 200 1112 | 200 1112 | 2002 |
| Mean Time Between Failures (MTBF, hours) | 2500000 hr | 2500000 hr | 2000000 hr | 2000000 hr | 2000000 hr |
| Non-recoverable Read Errors per Bits Read, Max | 1 per 10E15 |
| Power-On Hours (per year) | 8,760 | 8,760 | 8,760 | 8,760 | 8,760 |
| Sector Size (Bytes per Logical Sector) | 512E | 512E | 512E | 512E | 512E |
| Rescue Data Recovery Services (years) 3 | 3 | 3 | 3 | 3 | 3 |
| Limited Warranty (years) | 5 | 5 | 5 | 5 | 5 |
| Performance | | _ | | | |
| Spindle Speed (RPM) | 7200RPM | 7200RPM | 7200RPM | 7200RPM | 7200RPM |
| Interface Access Speed (Gb/s) | 6.0, 3.0, 1.5 | 6.0, 3.0, 1.5 | 6.0, 3.0, 1.5 | 6.0, 3.0, 1.5 | 6.0, 3.0, 1.5 |
| Max. Sustained Transfer Rate OD (MB/s) | 270 MB/s | 270MB/s | 263MB/s | 255MB/s | 250MB/s |
| Rotational Vibration @ 10-1500 Hz (rad/s) | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 |
| Power Consumption | | | | | |
| Startup Current, Typical (12V, A) | 2.0 A | 2.0 A | 1.8 A | 2.0 A | 2.0 A |
| Idle Power, Average (W) | 5.0 | 5.0 | 7.8 W | 7.8 | 7.1 |
| Average Operating Power (W) | 7.6 W | 7.8 W | 10.1 W | 10.1 W | 9.3 W |
| Standby Mode, Typical (W) | 1.0 W |
| Sleep Mode, Typical (W) | 1.0 W |
| Power Supply Requirements | +12 V and +5 V |
| Environmental/Temperature | | | | | |
| Operating Temperature (ambient, min °C) | 0°C | 0°C | 0°C | 0°C | 0°C |
| Operating Temperature (drive reported, max °C) 4 | 65°C | 65°C | 65°C | 65°C | 65°C |
| Non-operating Temperature (ambient, min °C) | -40°C | -40°C | -40°C | -40°C | -40°C |
| Non-operating Temperature (ambient, max °C) | 70°C | 70°C | 70°C | 70°C | 70°C |
| Environmental/Acoustics | | | | | |
| Vibration, Non-operating: 10 Hz to 500 Hz (Grms) | 2.27 | 2.27 | 2.27 | 2.27 | 2.27 |
| Acoustics, Idle (typical, measured in Idle 1 state) (dBA) | 20 | 20 | 28 | 28 | 28 |
| Acoustics, Seek (typical) (dBA) | 26 | 26 | 30 | 30 | 30 |
| Environmental/Shock | | | | | |
| Shock, Operating 2 ms (Read/Write) (Gs) | 50/50 Gs | 50/50 Gs | 70/40 Gs | 70/40 Gs | 70/40 Gs |
| Shock, Non-operating, 1 ms and 2 ms (Gs) | 200 | 200 | 250 | 300 | 300 |
| Physical | | | | | |
| Height (mm/in) | 26.11 mm/1.028 in |
| Width (mm/in, max) | 101.85 mm/4.01 in |
| Depth (mm/in, max) | 146.99 mm/5.787 in |
| Weight (g/lb, typical) | 670 g/1.477 lb | 670 g/1.477 lb | 720 g/1.59 lb | 720 g/1.59 lb | 716 g/1.58 lb |
| Carton Unit Quantity | 20 | 20 | 20 | 20 | 20 |
| Cartons per Pallet / Cartons per Layer | 40/8 | 40/8 | 40/8 | 40/8 | 40/8 |





| STANDAMEN STAN | Specifications | 4 TB | 2 TB | |
|---|---|--------------------|--------------------|--|
| Interface | | | | |
| Drive Bays Supported | | | | |
| Drive Bays Supported Unlimited Unlimited CMR | | SATA GGI/S | OATA OGD/S | |
| Recording Technology | | Unlimited | Unlimited | |
| Drive Design (Air or Helium) | · · · · · | | | |
| Vorkload Rate Limit (WRL) 550 550 S50 Rotational Vibration (RV) Sensors Yes Yes Yes Yes Yes Yes Yes Z56 MB 256 MB 256 MB Z56 | | | | |
| Rotational Vibration (RV) Sensors | | | | |
| Cache (MB) 256 MB 256 MB 256 MB 256 MB 256 MB 266 MB | , , | | | |
| Reliability/Data Integrity Rean Time Between Failures (MTBF, hours) 2000000 hr 20000000 hr 200000000 hr 200000000 hr 200000000000000000000000000000000000 | · · · | | | |
| Mean Time Between Failures (MTBF, hours) 2000000 hr 2000000 hr Non-recoverable Read Errors per Bits Read, Max 1 per 10E15 1 per 10E15 Power-On Hours (per year) 8,760 8,760 Sector Size (Bytes per Logical Sector) 512E 512E Rescue Data Recovery Services (years)³ 3 3 Jumited Warranty (years) 5 5 Performance 5 5 Spindle Speed (RPM) 720RPM 720RPM Interface Access Speed (Gb/s) 6.0, 3.0, 1.5 6.0, 3.0, 1.5 Max. Sustained Transfer Rate OD (MB/s) 250 226MB/s Rotational Vibration @ 10-1500 Hz (rad/s) 12.5 12.5 Power Consumption 12.5 2.0 Idle Power, Average (W) 5.5 5.5 Astrup Current, Typical (12V, A) 2.0 2.0 Idle Power, Average (W) 8.7 W 6.7 W Standby Mode, Typical (W) 1.0 W 1.0 W Steep Mode, Typical (W) 1.0 W 1.0 W Power Supply Requirements +12 V and +5 V +12 V and +5 V | ` ' | 256 MB | 256 MB | |
| Non-recoverable Read Errors per Bits Read, Max | | 2000000 hr | 2000000 hr | |
| Power-On Hours (per year) 8,760 8,760 8,760 | | | | |
| Sector Size (Bytes per Logical Sector) 512E | · · · · · · · · · · · · · · · · · · · | · · | · | |
| Rescue Data Recovery Services (years) 3 3 3 Limited Warranty (years) 5 5 5 Performance Spindle Speed (RPM) 7200RPM 7200RPM Interface Access Speed (Gb/s) 6.0, 3.0, 1.5 6.0, 3.0, 1.5 Max. Sustained Transfer Rate OD (MB/s) 250 226MB/s Rotational Vibration @ 10-1500 Hz (rad/s) 12.5 12.5 Power Consumption Startup Current, Typical (12V, A) 2.0 2.0 Idle Power, Average (W) 5.5 5.5 Average Operating Power (W) 8.7 W 6.7 W Standby Mode, Typical (W) 1.0 W 1.0 W Sleep Mode, Typical (W) 1.0 W 1.0 W Power Supply Requirements +12 V and +5 V +12 V and +5 V Environmental/Temperature Operating Temperature (ambient, min °C) 0°C 0°C Operating Temperature (ambient, min °C) 40°C Non-operating Temperature (ambient, min °C) 70°C Environmental/Accoustics Vibration, Non-operating: 10 Hz to 500 Hz (Gms) 2.8 Acoustics, Seek (typical) (dBA) 30 Environmental/Shock Spindle Warranty (years) 5 5 5 5 5 5 0.3 0.3 0.1.5 8 0.3 0.3 1.5 12.5 Power ConPPM 7200RPM 7200RPM | <u> </u> | | · | |
| Limited Warranty (years) 5 5 Performance Spindle Speed (RPM) 7200RPM 7200RPM Interface Access Speed (Gb/s) 6.0, 3.0, 1.5 6.0, 3.0, 1.5 Max. Sustained Transfer Rate OD (MB/s) 250 226MB/s Rotational Vibration @ 10-1500 Hz (rad/s) 12.5 12.5 Power Consumption 2.0 2.0 Startup Current, Typical (12V, A) 2.0 2.0 Idle Power, Average (W) 5.5 5.5 Average Operating Power (W) 8.7 W 6.7 W Standby Mode, Typical (W) 1.0 W 1.0 W Sleep Mode, Typical (W) 1.0 W 1.0 W Power Supply Requirements +12 V and +5 V +12 V and +5 V Environmental/Temperature O°C 0°C Operating Temperature (ambient, min °C) 0°C 0°C Operating Temperature (ambient, min °C) 40°C 40°C Non-operating Temperature (ambient, max °C) 70°C 70°C Environmental/Accoustics 2.27 2.27 Acoustics, Idle (typical, measured in Idle 1 state) (dBA) 28 | | | | |
| Performance Spindle Speed (RPM) 7200RPM 7200RPM 7200RPM 10 | | | | |
| Spindle Speed (RPM) 7200RPM 7200RPM 7200RPM Interface Access Speed (Gb/s) 6.0, 3.0, 1.5 6.0, 3.0, 1.5 Max. Sustained Transfer Rate OD (MB/s) 250 226MB/s Rotational Vibration @ 10-1500 Hz (rad/s) 12.5 12.5 Power Consumption 2.0 2.0 Idle Power, Average (W) 5.5 5.5 Average Operating Power (W) 8.7 W 6.7 W Standby Mode, Typical (W) 1.0 W 1.0 W Sleep Mode, Typical (W) 1.0 W 1.0 W Power Supply Requirements +12 V and +5 V +12 V and +5 V Environmental/Temperature (ambient, min °C) 0°C 65°C Operating Temperature (ambient, min °C) 4.0°C -40°C Non-operating Temperature (ambient, max °C) 70°C 70°C Environmental/Acoustics Vibration, Non-operating: 10 Hz to 500 Hz (Grms) 2.27 2.27 Acoustics, Seek (typical) (dBA) 30 30 Environmental/Spock 2.0 2.0 Conditional Vibration (Park) 2.28 2.28 Acoustics, Seek (typical) (dBA) 30 30 Environmental/Spock 2.27 2.27 Acoustics, Seek (typical) (dBA) 30 30 Environmental/Spock 2.27 2.27 Acoustics, Seek (typical) (dBA) 30 30 Environmental/Spock 2.27 2.27 Acoustics, Seek (typical) (dBA) 30 30 Environmental/Spock 2.27 2.27 Acoustics, Seek (typical) (dBA) 30 30 Environmental/Spock 2.27 2.27 Acoustics, Seek (typical) (dBA) 30 30 Environmental/Spock 2.27 2.27 Acoustics, Seek (typical) (dBA) 30 30 Environmental/Spock 2.27 2.27 Acoustics, Seek (typical) (dBA) 30 30 Environmental/Spock 2.27 2.27 Acoustics, Seek (typical) (dBA) 30 Environmental/Sp | | 5 | 5 | |
| Interface Access Speed (Gb/s) 6.0, 3.0, 1.5 6.0, 3.0, 1.5 Max. Sustained Transfer Rate OD (MB/s) 250 226MB/s Rotational Vibration @ 10-1500 Hz (rad/s) 12.5 12.5 Power Consumption | | T000 DD14 | TOO DOWN | |
| Max. Sustained Transfer Rate OD (MB/s) 250 226MB/s Rotational Vibration @ 10-1500 Hz (rad/s) 12.5 12.5 Power Consumption 2.0 2.0 Startup Current, Typical (12V, A) 2.0 2.0 Idle Power, Average (W) 5.5 5.5 Average Operating Power (W) 8.7 W 6.7 W Standby Mode, Typical (W) 1.0 W 1.0 W Sleep Mode, Typical (W) 1.0 W 1.0 W Power Supply Requirements +12 V and +5 V +12 V and +5 V Environmental/Temperature O°C 0°C 0°C Operating Temperature (ambient, min °C) 0°C 65°C 65°C Non-operating Temperature (ambient, min °C) -40°C -40°C Non-operating Temperature (ambient, max °C) 70°C 70°C Environmental/Acoustics 70°C 70°C 227 Acoustics, Idle (typical, measured in Idle 1 state) (dBA) 28 28 Acoustics, Seek (typical) (dBA) 30 30 Environmental/Shock | | | | |
| Rotational Vibration @ 10-1500 Hz (rad/s) 12.5 12.5 | <u> </u> | | | |
| Startup Current, Typical (12V, A) 2.0 2.0 Idle Power, Average (W) 5.5 5.5 Average Operating Power (W) 8.7 W 6.7 W Standby Mode, Typical (W) 1.0 W 1.0 W Sleep Mode, Typical (W) 1.0 W 1.0 W Power Supply Requirements +12 V and +5 V +12 V and +5 V Environmental/Temperature | ` ′ | | | |
| Startup Current, Typical (12V, A) 2.0 2.0 Idle Power, Average (W) 5.5 5.5 Average Operating Power (W) 8.7 W 6.7 W Standby Mode, Typical (W) 1.0 W 1.0 W Sleep Mode, Typical (W) 1.0 W 1.0 W Power Supply Requirements +12 V and +5 V +12 V and +5 V Environmental/Temperature O°C 0°C 0°C Operating Temperature (ambient, min °C) 0°C 65°C 65°C Non-operating Temperature (ambient, min °C) -40°C -40°C -40°C Non-operating Temperature (ambient, max °C) 70°C 70°C 70°C Environmental/Acoustics Vibration, Non-operating: 10 Hz to 500 Hz (Grms) 2.27 2.27 Acoustics, Idle (typical, measured in Idle 1 state) (dBA) 28 28 Acoustics, Seek (typical) (dBA) 30 30 Environmental/Shock | | 12.5 | 12.5 | |
| Idle Power, Average (W) 5.5 5.5 Average Operating Power (W) 8.7 W 6.7 W Standby Mode, Typical (W) 1.0 W 1.0 W Sleep Mode, Typical (W) 1.0 W 1.0 W Power Supply Requirements +12 V and +5 V +12 V and +5 V Environmental/Temperature | | | | |
| Average Operating Power (W) Standby Mode, Typical (W) Sleep Mode, Typical (W) 1.0 W 1.0 W 1.0 W 1.0 W 1.0 W Power Supply Requirements +12 V and +5 V Environmental/Temperature Operating Temperature (ambient, min °C) Operating Temperature (ambient, min °C) Operating Temperature (ambient, min °C) Non-operating Temperature (ambient, min °C) Non-operating Temperature (ambient, min °C) Non-operating Temperature (ambient, max °C) To °C Environmental/Acoustics Vibration, Non-operating: 10 Hz to 500 Hz (Grms) Acoustics, Idle (typical, measured in Idle 1 state) (dBA) 28 Acoustics, Seek (typical) (dBA) 30 Environmental/Shock | | | | |
| Standby Mode, Typical (W) Sleep Mode, Typical (W) Power Supply Requirements +12 V and +5 V +12 V and +5 V Environmental/Temperature Operating Temperature (ambient, min °C) Operating Temperature (drive reported, max °C) 4 Non-operating Temperature (ambient, min °C) Non-operating Temperature (ambient, max °C) Non-operating Temperature (ambient, max °C) For C Environmental/Acoustics Vibration, Non-operating: 10 Hz to 500 Hz (Grms) Acoustics, Idle (typical, measured in Idle 1 state) (dBA) 28 Acoustics, Seek (typical) (dBA) 30 Environmental/Shock | | | | |
| Sleep Mode, Typical (W) Power Supply Requirements +12 V and +5 V +12 V and +5 V Environmental/Temperature Operating Temperature (ambient, min °C) Operating Temperature (drive reported, max °C) 4 65°C Non-operating Temperature (ambient, min °C) Non-operating Temperature (ambient, min °C) Non-operating Temperature (ambient, min °C) Non-operating Temperature (ambient, max °C) Environmental/Acoustics Vibration, Non-operating: 10 Hz to 500 Hz (Grms) Acoustics, Idle (typical, measured in Idle 1 state) (dBA) Environmental/Shock | | 8.7 W | 6.7 W | |
| Power Supply Requirements +12 V and +5 V +12 V and +5 V Environmental/Temperature Operating Temperature (ambient, min °C) 0°C 0°C Operating Temperature (drive reported, max °C) 4 65°C 65°C Non-operating Temperature (ambient, min °C) -40°C -40°C Non-operating Temperature (ambient, max °C) 70°C 70°C Environmental/Acoustics Vibration, Non-operating: 10 Hz to 500 Hz (Grms) 2.27 2.27 Acoustics, Idle (typical, measured in Idle 1 state) (dBA) 28 28 Acoustics, Seek (typical) (dBA) 30 30 Environmental/Shock | | 1.0 W | 1.0 W | |
| Environmental/Temperature Operating Temperature (ambient, min °C) Operating Temperature (drive reported, max °C) 4 65°C Non-operating Temperature (ambient, min °C) Non-operating Temperature (ambient, min °C) Non-operating Temperature (ambient, max °C) To°C Environmental/Acoustics Vibration, Non-operating: 10 Hz to 500 Hz (Grms) Acoustics, Idle (typical, measured in Idle 1 state) (dBA) Acoustics, Seek (typical) (dBA) Environmental/Shock | Sleep Mode, Typical (W) | 1.0 W | 1.0 W | |
| Operating Temperature (ambient, min °C) 0°C 0°C Operating Temperature (drive reported, max °C) 4 65°C 65°C Non-operating Temperature (ambient, min °C) -40°C -40°C Non-operating Temperature (ambient, max °C) 70°C 70°C Environmental/Acoustics Vibration, Non-operating: 10 Hz to 500 Hz (Grms) 2.27 2.27 Acoustics, Idle (typical, measured in Idle 1 state) (dBA) 28 28 Acoustics, Seek (typical) (dBA) 30 30 Environmental/Shock | Power Supply Requirements | +12 V and +5 V | +12 V and +5 V | |
| Operating Temperature (drive reported, max °C) 4 65°C 65°C Non-operating Temperature (ambient, min °C) -40°C -40°C Non-operating Temperature (ambient, max °C) 70°C 70°C Environmental/Acoustics Vibration, Non-operating: 10 Hz to 500 Hz (Grms) 2.27 2.27 Acoustics, Idle (typical, measured in Idle 1 state) (dBA) 28 28 Acoustics, Seek (typical) (dBA) 30 30 Environmental/Shock | Environmental/Temperature | | | |
| Non-operating Temperature (ambient, min °C) Non-operating Temperature (ambient, max °C) Environmental/Acoustics Vibration, Non-operating: 10 Hz to 500 Hz (Grms) Acoustics, Idle (typical, measured in Idle 1 state) (dBA) Acoustics, Seek (typical) (dBA) Environmental/Shock | Operating Temperature (ambient, min °C) | 0°C | 0°C | |
| Non-operating Temperature (ambient, max °C) 70°C 70°C Environmental/Acoustics Vibration, Non-operating: 10 Hz to 500 Hz (Grms) 2.27 2.27 Acoustics, Idle (typical, measured in Idle 1 state) (dBA) 28 28 Acoustics, Seek (typical) (dBA) 30 30 Environmental/Shock | Operating Temperature (drive reported, max °C) 4 | 65°C | 65°C | |
| Environmental/Acoustics Vibration, Non-operating: 10 Hz to 500 Hz (Grms) 2.27 Acoustics, Idle (typical, measured in Idle 1 state) (dBA) Acoustics, Seek (typical) (dBA) Environmental/Shock | Non-operating Temperature (ambient, min °C) | -40°C | -40°C | |
| Vibration, Non-operating: 10 Hz to 500 Hz (Grms) Acoustics, Idle (typical, measured in Idle 1 state) (dBA) Acoustics, Seek (typical) (dBA) Environmental/Shock | Non-operating Temperature (ambient, max °C) | 70°C | 70°C | |
| Acoustics, Idle (typical, measured in Idle 1 state) (dBA) 28 28 Acoustics, Seek (typical) (dBA) 30 Environmental/Shock | Environmental/Acoustics | | | |
| Acoustics, Seek (typical) (dBA) 30 30 Environmental/Shock | Vibration, Non-operating: 10 Hz to 500 Hz (Grms) | 2.27 | 2.27 | |
| Environmental/Shock | Acoustics, Idle (typical, measured in Idle 1 state) (dBA) | 28 | 28 | |
| | Acoustics, Seek (typical) (dBA) | 30 | 30 | |
| Shock, Operating 2 ms (Read/Write) (Gs) 70/40 Gs 70/40 Gs | Environmental/Shock | | | |
| 70/10/00 | Shock, Operating 2 ms (Read/Write) (Gs) | 70/40 Gs | 70/40 Gs | |
| Shock, Non-operating, 1 ms and 2 ms (Gs) 300 | Shock, Non-operating, 1 ms and 2 ms (Gs) | 300 | 300 | |
| Physical | Physical | | | |
| Height (mm/in) 26.11 mm/1.028 in 26.11 mm/1.028 in | Height (mm/in) | 26.11 mm/1.028 in | 26.11 mm/1.028 in | |
| Width (mm/in, max) 101.85 mm/4.01 in 101.85 mm/4.01 in | Width (mm/in, max) | 101.85 mm/4.01 in | 101.85 mm/4.01 in | |
| Depth (mm/in, max) 146.99 mm/5.787 in 146.99 mm/5.787 in | Depth (mm/in, max) | 146.99 mm/5.787 in | 146.99 mm/5.787 in | |
| Weight (g/lb, typical) 650 g/1.431 lb 620 g/1.37 lb | Weight (g/lb, typical) | 650 g/1.431 lb | 620 g/1.37 lb | |
| Carton Unit Quantity 20 20 | Carton Unit Quantity | 20 | 20 | |
| Cartons per Pallet / Cartons per Layer 40/8 40/8 | Cartons per Pallet / Cartons per Layer | 40/8 | 40/8 | |

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