



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

Optimized 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 utilize conventional magnetic recording (CMR) technology for consistent, best-in-class NAS performance.

Up to 22TB Broad range of capacity options to deliver scalable and cost-efficient storage solutions.

Built Tough IronWolf Pro drives are rated for 550TB/Y 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-in-class 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.





Specifications	22TB	20TB		18TB				
Capacity	22TB	20TB	20TB	18TB	18TB			
Standard Model Number	ST22000NT001	ST20000NT001	ST20000NE000	ST18000NT001	ST18000NE000			
Interface	SATA 6Gb/s							
Features								
Drive Bays Supported	Unlimited	Unlimited	Up to 24-bay	Unlimited	Up to 24-bay			
Recording Technology	CMR	CMR	CMR	CMR	CMR			
Drive Design (Air or Helium)	Helium	Helium	Helium	Helium	Helium			
Workload Rate Limit (WRL)	550	550	300	550	300			
Rotational Vibration (RV) Sensors	Yes	Yes	Yes	Yes	Yes			
Cache (MB)	512MB	512	256MB	256MB	256MB			
Reliability/Data Integrity								
Mean Time Between Failures (MTBF, hours)	2500000hr	2500000hr	1200000hr	2500000hr	1200000hr			
Nonrecoverable Read Errors per Bits Read, Max	1 per 10E15							
Power-On Hours (per year)	8760	8760	8760	8760	8760			
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	260			
Rotational Vibration @ 10-1500 Hz (rad/s)	12.5	12.5	12.5	12.5	12.5			
Power Consumption								
Startup Current, Typical (12V, A)	2.0A	2.0A	2.0A	2.0A	2.0A			
Idle Power, Average (W)	6.0W	5.7	5.0	5.0	5.0			
Average Operating Power (W)	7.9W	7.7W	7.7W	7.5W	8.0W			
Standby Mode, Typical (W)	1.2W	1.2W	1.0W	1.0	1.0			
Sleep Mode, Typical (W)	1.2W	1.2W	1.0W	1.0	1.0			
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			
Nonoperating Temperature (ambient, min °C)	-40°C	-40°C	-40°C	-40°C	-40°C			
Nonoperating Temperature (ambient, max °C)	70°C	70°C	70°C	70°C	70°C			
Environmental/Acoustics								
Vibration, Nonoperating: 10Hz to 500Hz (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 2ms (Read/Write) (Gs)	40/40Gs	40/40Gs	40/40Gs	40	50/50Gs			
Shock, Nonoperating, 1ms and 2ms (Gs)	200	200	200	200	200			
Physical								
Height (mm/in)	26.11mm/1.028in	26.11mm/1.028in	26.11mm/1.028in	26.11mm/1.028in	26.11mm/1.028in			
Width (mm/in, max)	101.85mm/4.01in	101.85mm/4.01in	101.85mm/4.01in	101.85mm/4.01in	101.85mm/4.01in			
Depth (mm/in, max)	146.99mm/5.787in	146.99mm/5.787in	146.99mm/5.787in	146.99mm/5.787in	146.99mm/5.787in			
Weight (g/lb, typical)	690g/1.512lb	690g/1.521lb	680g/1.499lb	680g/1.499lb	670g/1.477lb			
Carton Unit Quantity	20	20	20	20	20			
Cartons per Pallet/Cartons per Layer	40/8	40/8	40/8	40/8	40/8			





Specifications	1	6TB	14	ТВ		
Capacity	16TB	16TB	14TB	14TB		
Standard Model Number	ST16000NT001	ST16000NE000	ST14000NT001	ST14000NE0008		
Interface	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s		
Features						
Drive Bays Supported	Unlimited	Up to 24-bay	Unlimited	Up to 24-bay		
Recording Technology	CMR	CMR	CMR	CMR		
Drive Design (Air or Helium)	Helium	Helium	Helium	Helium		
Workload Rate Limit (WRL)	550	300	550	300		
Rotational Vibration (RV) Sensors	Yes	Yes	Yes	Yes		
Cache (MB)	256MB	256MB	256MB	256MB		
Reliability/Data Integrity						
Mean Time Between Failures (MTBF, hours)	2500000hr	1200000hr	2500000hr	1200000hr		
Nonrecoverable Read Errors per Bits Read, Max	1 per 10E15	1 per 10E15	1 per 10E15	1 per 10E15		
Power-On Hours (per year)	8760	8760	8760	8760		
Sector Size (Bytes per Logical Sector)	512E	512E	512E	512E		
Rescue Data Recovery Services(years) 3	3	3	3	3		
Limited Warranty (years)	5	5	5	5		
Performance						
Spindle Speed (RPM)	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		
Max. Sustained Transfer Rate OD (MB/s)	270	255MB/s	270MB/s	255MB/s		
Rotational Vibration @ 10-1500 Hz (rad/s)	12.5	12.5	12.5	12.5		
Power Consumption	-	-	-			
Startup Current, Typical (12V, A)	2.0A	2.0A	2.0A	2.0A		
Idle Power, Average (W)	5.0	5.0	5.0	5.0		
Average Operating Power (W)	7.6W	7.6W	7.6W	7.6W		
Standby Mode, Typical (W)	1.0W	1.0W	1.0W	1.0W		
Sleep Mode, Typical (W)	1.0W	1.0W	1.0W	1.0W		
Power Supply Requirements	+12 V and +5 V					
Environmental/Temperature						
Operating Temperature (ambient, min °C)	0°C	0°C	0°C	0°C		
Operating Temperature (drive reported, max °C) ⁴	65°C	65°C	65°C	65°C		
Nonoperating Temperature (ambient, min °C)	-40°C	-40°C	-40°C	-40°C		
Nonoperating Temperature (ambient, max °C)	70°C	70°C	70°C	70°C		
Environmental/Acoustics						
Vibration, Nonoperating: 10Hz to 500Hz (Grms)	2.27	2.27	2.27	2.27		
Acoustics, Idle (typical, measured in Idle 1 state) (dBA)	20	20	20	20		
Acoustics, Seek (typical) (dBA)	26	26	26	26		
Environmental/Shock						
Shock, Operating 2ms (Read/Write) (Gs)	50/50Gs	50/50Gs	50/50Gs	50/50Gs		
Shock, Nonoperating, 1ms and 2ms (Gs)	200	200	200	200		
Physical						
Height (mm/in)	26.11mm/1.028in	26.11mm/1.028in	26.11mm/1.028in	26.11mm/1.028in		
Width (mm/in, max)	101.85mm/4.01in	101.85mm/4.01in	101.85mm/4.01in	101.85mm/4.01in		
Depth (mm/in, max)	146.99mm/5.787in	146.99mm/5.787in	146.99mm/5.787in	146.99mm/5.787in		
Weight (g/lb, typical)	670g/1.477lb	670g/1.477lb	670g/1.477lb	670g/1.477lb		
Carton Unit Quantity	20	20	20	20		
Cartons per Pallet/Cartons per Layer	40/8	40/8	40/8	40/8		
Saltono por l'anoli Gartono por Layor	10/0	10/0	15/0	1.0/0		





Specifications	12	?TB		10TB	
Capacity	12TB	12TB	10TB	10TB	10TB
Standard Model Number	ST12000NT001	ST12000NE0008	ST10000NT001	ST10000NE0008	ST10000NE000
Interface	SATA 6Gb/s				
Features					
Drive Bays Supported	Unlimited	Up to 24-bay	Unlimited	Up to 24-bay	Up to 24-bay
Recording Technology	CMR	CMR	CMR	CMR	CMR
Drive Design (Air or Helium)	Helium	Helium	Air	Helium	Air
Workload Rate Limit (WRL)	550	300	550	300	300
Rotational Vibration (RV) Sensors	Yes	Yes	Yes	Yes	Yes
Cache (MB)	256MB	256MB	256MB	256MB	256MB
Reliability/Data Integrity	<u> </u>				
Mean Time Between Failures (MTBF, hours)	2500000hr	1200000hr	2000000hr	1200000hr	1200000hr
Nonrecoverable Read Errors per Bits Read, Max	1 per 10E15				
Power-On Hours (per year)	8760	8760	8760	8760	8760
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)	270MB/s	240MB/s	263MB/s	240MB/s	240MB/s
Rotational Vibration @ 10-1500 Hz (rad/s)	12.5	12.5	12.5	12.5	12.5
Power Consumption	<u> </u>				
Startup Current, Typical (12V, A)	2.0A	2.0A	1.8A	2.0A	1.8A
Idle Power, Average (W)	5.0	5.0	7.8W	5.0	7.8
Average Operating Power (W)	7.8W	7.8W	10.1W	7.8W	10.1W
Standby Mode, Typical (W)	1.0W	1.0W	1.0W	1.17W	1.0W
Sleep Mode, Typical (W)	1.0W	1.0W	1.0W	1.17W	1.0W
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
Nonoperating Temperature (ambient, min °C)	-40°C	-40°C	-40°C	-40°C	-40°C
Nonoperating Temperature (ambient, max °C)	70°C	70°C	70°C	70°C	70°C
Environmental/Acoustics					
Vibration, Nonoperating: 10Hz to 500Hz (Grms)	2.27	2.27	2.27	2.27	2.27
Acoustics, Idle (typical, measured in Idle 1 state) (dBA)	20	20	28	20	28
Acoustics, Seek (typical) (dBA)	26	26	30	26	30
Environmental/Shock					
Shock, Operating 2ms (Read/Write) (Gs)	50/50Gs	50/50Gs	70/40Gs	70/40Gs	70/40Gs
Shock, Nonoperating, 1ms and 2ms (Gs)	200	200	250	250	300
Physical					
Height (mm/in)	26.11mm/1.028in	26.11mm/1.028in	26.11mm/1.028in	26.11mm/1.028in	26.11mm/1.028in
Width (mm/in, max)	101.85mm/4.01in	101.85mm/4.01in	101.85mm/4.01in	101.85mm/4.01in	101.85mm/4.01in
Depth (mm/in, max)	146.99mm/5.787in	146.99mm/5.787in	146.99mm/5.787in	146.99mm/5.787in	146.99mm/5.787in
Weight (g/lb, typical)	670g/1.477lb	670g/1.477lb	720g/1.59lb	690g/1.521lb	720g/1.59lb
Carton Unit Quantity	20	20	20	20	20
Cartons per Pallet/Cartons per Layer	40/8	40/8	40/8	40/8	40/8





Specifications	8	ТВ	67	ТВ		
Capacity	8TB	8TB	6TB	6TB		
Standard Model Number	ST8000NT001	ST8000NE001	ST6000NT001	ST6000NE000		
Interface	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s		
Features						
Drive Bays Supported	Unlimited	Up to 24-bay	Unlimited	Up to 24-bay		
Recording Technology	CMR	CMR	CMR	CMR		
Drive Design (Air or Helium)	Air	Air	Air	Air		
Workload Rate Limit (WRL)	550	300	550	300		
Rotational Vibration (RV) Sensors	Yes	Yes	Yes	Yes		
Cache (MB)	256MB	256MB	256MB	256MB		
Reliability/Data Integrity						
Mean Time Between Failures (MTBF, hours)	2000000hr	1200000hr	2000000hr	1200000hr		
Nonrecoverable Read Errors per Bits Read, Max	1 per 10E15	1 per 10E15	1 per 10E15	1 per 10E15		
Power-On Hours (per year)	8760	8760	8760	8760		
Sector Size (Bytes per Logical Sector)	512E	512E	512E	512E		
Rescue Data Recovery Services(years) 3	3	3	3	3		
Limited Warranty (years)	5	5	5	5		
Performance	-					
Spindle Speed (RPM)	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		
Max. Sustained Transfer Rate OD (MB/s)	255MB/s	240MB/s	250MB/s	220MB/s		
Rotational Vibration @ 10-1500 Hz (rad/s)	12.5	12.5	12.5	12.5		
Power Consumption	12.0	12.0	12.0	12.0		
Startup Current, Typical (12V, A)	2.0A	2.0A	2.0A	2.0A		
Idle Power, Average (W)	7.8	7.8	7.1	7.1		
Average Operating Power (W)	10.1W	10.1W	9.3W	9.3W		
Standby Mode, Typical (W)	1.0W	1.0W	1.0W	1.0W		
Sleep Mode, Typical (W)	1.0W	1.0W	1.0W	1.0W		
Power Supply Requirements	+12 V and +5 V					
Environmental/Temperature	TIE V and TO V	112 V and 10 V	TTE V drid TO V	112 * 414 10 *		
Operating Temperature (ambient, min °C)	0°C	0°C	0°C	0°C		
Operating Temperature (drive reported, max °C) ⁴	65°C	65°C	65°C	65°C		
Nonoperating Temperature (ambient, min °C)	-40°C	-40°C	-40°C	-40°C		
Nonoperating Temperature (ambient, max °C)	70°C	70°C	70°C	70°C		
Environmental/Acoustics	700	700	70 0	700		
Vibration, Nonoperating: 10Hz to 500Hz (Grms)	2.27	2.27	2.27	2.27		
Acoustics, Idle (typical, measured in Idle 1 state) (dBA)	28	28	28	28		
Acoustics, Seek (typical) (dBA)	30	30	30	30		
Environmental/Shock			00			
Shock, Operating 2ms (Read/Write) (Gs)	70/40Gs	70/40Gs	70/40Gs	70/40Gs		
Shock, Nonoperating, 1ms and 2ms (Gs)	300	300	300	300		
Shock, Nonoperating, Tims and 2ms (Gs) 300 300 300 300						
Height (mm/in)	26.11mm/1.028in	26.11mm/1.028in	26.11mm/1.028in	26.11mm/1.028in		
Width (mm/in, max)	101.85mm/4.01in	101.85mm/4.01in	101.85mm/4.01in	101.85mm/4.01in		
Depth (mm/in, max)	146.99mm/5.787in	146.99mm/5.787in	146.99mm/5.787in	146.99mm/5.787in		
Weight (g/lb, typical)	720g/1.59lb	720g/1.59lb	716g/1.58lb	716g/1.58lb		
Carton Unit Quantity	720g/1.59lb	720g/1.59lb	7169/1.5810	20		
	40/8	40/8	40/8	40/8		
Cartons per Pallet/Cartons per Layer	40/8	40/8	40/8	40/δ		





Specify	Specifications	4	ТВ	2	ГВ			
Standard Model Number				l .				
Drive Bays Supported Up in 24-bay Unlimited Up to 24-bay Unlimited Up to 24-bay CMR C		ST4000NT001	ST4000NE001	ST2000NT001	ST2000NE001			
Drive Bays Supported Unlimited Up to 24-bay Unlimited Up to 24-bay CARR COMR	Interface	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s			
Recording Technology	Features							
Drive Design (Air or Helium)	Drive Bays Supported	Unlimited	Up to 24-bay	Unlimited	Up to 24-bay			
Markfood Rate Limit (WFL)	Recording Technology	CMR	CMR	CMR	CMR			
Polational Vibration (RV) Sensors	Drive Design (Air or Helium)	Air	Air	Air	Air			
Cache (MB) 256MB	Workload Rate Limit (WRL)	550	300	550	300			
Main Time Between Failures (MTBF, hours) 2,000.000 1200000hr 2000000hr 1200000hr 12000000hr 12000000hr 12000000hr 12000000hr 12000000hr 120000000hr 12000000000hr 1200000000000000000000000000000000000	Rotational Vibration (RV) Sensors	Yes	Yes	Yes	Yes			
Maan Time Between Failures (MTBF, hours) 2,000,000 1200000hr 2000000hr 1200000hr 1200000hr Nonrecoverable Read Errors per Bits Read, Max 1 per 10E15 1 p	Cache (MB)	256MB	256MB	256MB	256MB			
Nonecoverable Read Errors per Bits Read, Max	Reliability/Data Integrity							
Power-On Hours (per year)	Mean Time Between Failures (MTBF, hours)	2,000,000	1200000hr	2000000hr	1200000hr			
Sector Size (Bytes per Logical Sector) 512E 5	Nonrecoverable Read Errors per Bits Read, Max	1 per 10E15	1 per 10E15	1 per 10E15	1 per 10E15			
Rescue Data Recovery Services(years) 3 3 3 3 3 3 3 3 3	Power-On Hours (per year)	8760	8760	8760	8760			
Limited Warrahy (years) 5 5 5 5 5 5 5 5 5	Sector Size (Bytes per Logical Sector)	512E	512E	512E	512			
Limited Warranty (years) 5 5 5 5 Patromance Special (RPM) 7200RPM	Rescue Data Recovery Services(vears) 3	3	3	3	3			
Petromance Spindle Speed (RPM)		5	5	5	5			
Interface Access Speed (Gb/s) 6.0, 3.0, 1.5 6.0 2.20 2.20 1.25 1.25 1.25 1.25 3.8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 1.2 2.2 3.2 4 1.2 2.2 4.0°C <th< td=""><td>Performance</td><td></td><td></td><td></td><td></td></th<>	Performance							
Max. Sustained Transfer Rate OD (MB/s) 250 220MB/s 226MB/s 220MB/s Rotational Vibration @ 10-1500 Hz (rad/s) 12.5 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0	Spindle Speed (RPM)	7200RPM	7200RPM	7200RPM	7200RPM			
Rotational Vibration @ 10-1500 Hz (rad/s) 12.5	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			
Power Consumption	Max. Sustained Transfer Rate OD (MB/s)	250	220MB/s	226MB/s	220MB/s			
Startup Current, Typical (12V, A) 2.0 2.0 2.0 2.0 2.0 2.0	Rotational Vibration @ 10-1500 Hz (rad/s)	12.5	12.5	12.5	12.5			
Idle Power, Average (W) 5.5 5.5 3.8W Average Operating Power (W) 8.7W 8.7W 6.7W 6.7W Standby Mode, Typical (W) 1.0W 2.0W 2.0W 2.0W 2.0W 6.5°C 65°C 65°C 65°C 65°C 65°C 65°C 65°C 65°C 65°C 70°C 70°C	Power Consumption							
Average Operating Power (W) 8.7W 8.7W 6.7W 6.7W	Startup Current, Typical (12V, A)	2.0	2.0	2.0	2.0			
Standby Mode, Typical (W) 1.0W	Idle Power, Average (W)	5.5	5.5	5.5	3.8W			
Sleep Mode, Typical (W)	Average Operating Power (W)	8.7W	8.7W	6.7W	6.7W			
Power Supply Requirements	Standby Mode, Typical (W)	1.0W	1.0W	1.0W	1.0W			
Comparing Comp	Sleep Mode, Typical (W)	1.0W	1.0W	1.0W	1.0W			
Operating Temperature (ambient, min °C) 0°C 65°C 40°C -40°C -40°C -40°C -40°C 70°C 227 2.27 2.27 2.27 2.27 2.27 2.27 2.27 2.27 2.28 28 28 28 28 28 28 28 28 28 28 <	Power Supply Requirements	+12 V and +5 V						
Coperating Temperature (drive reported, max °C) 4 65°C 65°C	Environmental/Temperature							
Nonoperating Temperature (ambient, min °C)	Operating Temperature (ambient, min °C)	0°C	0°C	0°C	0°C			
Nonoperating Temperature (ambient, max °C) 70°C 70°C 70°C 70°C 70°C 70°C 70°C 70°C	Operating Temperature (drive reported, max °C) 4	65°C	65°C	65°C	65°C			
Environmental/Acoustics	Nonoperating Temperature (ambient, min °C)	-40°C	-40°C	-40°C	-40°C			
Vibration, Nonoperating: 10Hz to 500Hz (Grms) 2.27 2.27 2.27 2.27 Acoustics, Idle (typical, measured in Idle 1 state) (dBA) 28 28 28 28 Acoustics, Seek (typical) (dBA) 30 30 30 30 Environmental/Shock Shock, Operating 2ms (Read/Write) (Gs) 70/40Gs 70/40Gs 70/40Gs Shock, Nonoperating, 1ms and 2ms (Gs) 300 300 300 300 Physical Height (mm/in) 26.11mm/1.028in 26.11mm/1.028in 26.11mm/1.028in 26.11mm/1.028in Width (mm/in, max) 101.85mm/4.01in 101.85mm/4.01in 101.85mm/4.01in 101.85mm/4.01in 101.85mm/4.01in Depth (mm/in, max) 146.99mm/5.787in 146.99mm/5.787in 146.99mm/5.787in 146.99mm/5.787in 146.99mm/5.787in 146.99mm/5.787in 620g/1.37lb 620g/1.37lb <td>Nonoperating Temperature (ambient, max °C)</td> <td>70°C</td> <td>70°C</td> <td>70°C</td> <td>70°C</td>	Nonoperating Temperature (ambient, max °C)	70°C	70°C	70°C	70°C			
Acoustics, Idle (typical, measured in Idle 1 state) (dBA) 28 28 28 28 28 30 30 30 30 30 30 30 30 30 30 30 30 30								
Acoustics, Seek (typical) (dBA) 30 30 30 30 Environmental/Shock Shock, Operating 2ms (Read/Write) (Gs) 70/40Gs 70/40Gs 70/40Gs 70/40Gs 70/40Gs 70/40Gs 300	Vibration, Nonoperating: 10Hz to 500Hz (Grms)	2.27	2.27	2.27	2.27			
Environmental/Shock Shock, Operating 2ms (Read/Write) (Gs) 70/40Gs 300 26.11mm/1.028in 26.11mm/1.028in	Acoustics, Idle (typical, measured in Idle 1 state) (dBA)	28	28	28	28			
Shock, Operating 2ms (Read/Write) (Gs) 70/40Gs 300 30	Acoustics, Seek (typical) (dBA)	30	30	30	30			
Shock, Nonoperating, 1ms and 2ms (Gs) 300 300 300 300 Physical Height (mm/in) 26.11mm/1.028in 26.11mm/1.028in 26.11mm/1.028in 26.11mm/1.028in 26.11mm/1.028in 26.11mm/1.028in 101.85mm/4.01in	Environmental/Shock							
Physical Height (mm/in) 26.11mm/1.028in	Shock, Operating 2ms (Read/Write) (Gs)	70/40Gs	70/40Gs	70/40Gs	70/40Gs			
Height (mm/in) 26.11mm/1.028in 26.11mm/1.028in 26.11mm/1.028in 26.11mm/1.028in 26.11mm/1.028in Width (mm/in, max) 101.85mm/4.01in	Shock, Nonoperating, 1ms and 2ms (Gs)	300	300	300	300			
Width (mm/in, max) 101.85mm/4.01in 101.85mm/4.01in 101.85mm/4.01in 101.85mm/4.01in Depth (mm/in, max) 146.99mm/5.787in 146.99mm/5.787in 146.99mm/5.787in 146.99mm/5.787in Weight (g/lb, typical) 650g/1.431lb 650g/1.431lb 620g/1.37lb 620g/1.37lb Carton Unit Quantity 20 20 20 20	Physical							
Width (mm/in, max) 101.85mm/4.01in 101.85mm/4.01in 101.85mm/4.01in 101.85mm/4.01in Depth (mm/in, max) 146.99mm/5.787in 146.99mm/5.787in 146.99mm/5.787in 146.99mm/5.787in Weight (g/lb, typical) 650g/1.431lb 650g/1.431lb 620g/1.37lb 620g/1.37lb Carton Unit Quantity 20 20 20 20	Height (mm/in)	26.11mm/1.028in	26.11mm/1.028in	26.11mm/1.028in	26.11mm/1.028in			
Weight (g/lb, typical) 650g/1.431lb 650g/1.431lb 620g/1.37lb 620g/1.37lb Carton Unit Quantity 20 20 20 20		101.85mm/4.01in	101.85mm/4.01in	101.85mm/4.01in	101.85mm/4.01in			
Carton Unit Quantity 20 20 20 20	Depth (mm/in, max)	146.99mm/5.787in	146.99mm/5.787in	146.99mm/5.787in	146.99mm/5.787in			
	Weight (g/lb, typical)	650g/1.431lb	650g/1.431lb	620g/1.37lb	620g/1.37lb			
Cartons per Pallet/Cartons per Layer 40/8 40/8 40/8	Carton Unit Quantity	20	20	20	20			
	Cartons per Pallet/Cartons per Layer	40/8	40/8	40/8	40/8			

seagate.com



© 2023 Seagate Technology LLC. All rights reserved. Seagate, Seagate Technology, and the Spiral logo are registered trademarks of Seagate Technology LLC in the United States and/or other countries. AgileArray and IronWolf are either trademarks or registered trademarks of Seagate Technology LLC or one of its affiliated companies in the United States and/or other countries. All other trademarks or registered trademarks are the property of their respective owners. When referring to drive capacity, one gigabyte, or GB, equals one billion bytes and one terabyte, or TB, equals one trillion bytes. Your computer's operating system may use a different standard of measurement and report a lower capacity. In addition, some of the listed capacity is used for formatting and other functions, and thus will not be available for data storage. Actual data rates may vary depending on operating environment and other factors. Seagate reserves the right to change, without notice, product offerings or specifications. DS2129.1-2301US