

Informacije o proizvodu (EN)

SEAGATE hard disk 16TB ST16000NT001 IronWolf Pro



Tehnoteka je online destinacija za upoređivanje cena i karakteristika bele tehnike, potrošačke elektronike i IT uređaja kod trgovinskih lanaca i internet prodavnica u Srbiji. Naša stranica vam omogućava da istražite najnovije informacije, detaljne karakteristike i konkurentne cene proizvoda.

Posetite nas i uživajte u ekskluzivnom iskustvu pametne kupovine klikom na link:

<https://tehnoteka.rs/p/seagate-hard-disk-16tb-st16000nt001-ironwolf-pro-akcija-cena/>



3.5 HDD DATA SHEET

Tough. Ready. Scalable.
Purpose-built for Creative Pro, Medium-to-Large Business NAS Storage Solutions



IronWolf Pro is designed to deliver reliable and dependable performance in 24x7 intensive workload environments. It is engineered to perform in commercial and enterprise multi-bay, multi-user, multi-application NAS storage solutions.



Best-Fit Applications

- Commercial and Enterprise NAS
- Video Production RAID Storage
- Shared Storage for Media Editing
- Workstations and Servers
- Archive and Backup



Key Advantages

Optimized for NAS with AgileArray™ AgileArray uses dual-plane balancing and time-limited error recovery (TLER) to deliver best-in-class RAID performance in multi-bay systems.

Always On, Always Accessible IronWolf Pro drives are designed for 24x7 performance, allowing users to access their data anytime, anywhere.

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

Up to 20TB Broad range of high-performance capacity options to deliver scalable and cost-efficient storage solutions.

Built Tough IronWolf Pro drives are rated for up to 550TB/year workload rate, allowing commercial and enterprise NAS users to seamlessly store, share, and collaborate on large amounts of data over a network.

Class-Leading Reliability and Dependability IronWolf Pro drives are rated for up to 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 coupled with dynamic fly-height technology correct for external vibration to deliver consistently high performance and reliability in multi-bay systems.

IronWolf Health Management (IHM)¹ Actively protect your data with prevention, intervention, and recovery recommendations to ensure peak system health.

Peace of mind with Data Recovery² IronWolf Pro drives include three years of complimentary Rescue Data Recovery Services so users don't incur high recovery costs. In-house secure facilities with an industry-leading 95% success rate enable data recovery 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 are not available in some countries. Contact your Seagate sales representative for further details.



Specifications	20TB	20TB	18TB	18TB
Capacity	20TB	20TB	18TB	18TB
Standard Model Number	ST20000NT001	ST20000NE000	ST18000NT001	ST18000NE000
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)	256	256	256	256
Reliability/Data Integrity				
Mean Time Between Failures (MTBF, hours)	2,500,000	1,200,000	2,500,000	1,200,000
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)	7200	7200	7200	7200
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)	285MB/s	285MB/s	285MB/s	260MB/s
Rotational Vibration @ 10-1500 Hz (rad/s)	12.5	12.5	12.5	12.5
Power Consumption				
Startup Current, Typical (12V, A)	2.0	2.0	2.0	2.0
Idle Power, Average (W)	5.5	5.5	5.2	5.2
Average Operating Power (W)	7.7W	7.7W	8.0W	8.0W
Standby Mode, Typical (W)	1.0	1.0	1.0	1.0
Sleep Mode, Typical (W)	1.0	1.0	1.0	1.0
Power Supply Requirements	+12 V and +5 V	+12 V and +5 V	+12 V and +5 V	+12 V and +5 V
Environmental/Temperature				
Operating Temperature (ambient, min °C)	0	0	0	0
Operating Temperature (drive reported, max °C) ⁴	65	65	65	65
Nonoperating Temperature (ambient, min °C)	-40	-40	-40	-40
Nonoperating Temperature (ambient, max °C)	70	70	70	70
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)	40/40Gs	40/40Gs	40/40Gs	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

³ Rescue Data Recovery Services not available in some countries.

⁴ Seagate does not recommend operating at sustained drive temperatures above 60C. Operating at higher temperatures may affect drive health.



Specifications	16TB	16TB	14TB	14TB
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)	256	256	256	256
Reliability/Data Integrity				
Mean Time Between Failures (MTBF, hours)	2,500,000	1,200,000	2,500,000	1,200,000
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)	7200	7200	7200	7200
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)	270MB/s	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)	2.0	2.0	2.0	2.0
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)	1.0	1.0	1.0	1.0
Sleep Mode, Typical (W)	1.0	1.0	1.0	1.0
Power Supply Requirements	+12 V and +5 V	+12 V and +5 V	+12 V and +5 V	+12 V and +5 V
Environmental/Temperature				
Operating Temperature (ambient, min °C)	0	0	0	0
Operating Temperature (drive reported, max °C) ⁴	65	65	65	65
Nonoperating Temperature (ambient, min °C)	-40	-40	-40	-40
Nonoperating Temperature (ambient, max °C)	70	70	70	70
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

³ Rescue Data Recovery Services not available in some countries.

⁴ Seagate does not recommend operating at sustained drive temperatures above 60C. Operating at higher temperatures may affect drive health.



Specifications	12TB	12TB	10TB	10TB	10TB
Capacity	12TB	12TB	10TB	10TB	10TB
Standard Model Number	ST12000NT001	ST12000NE0008	ST10000NT001	ST10000NE0008	ST10000NE000
Interface	SATA 6Gb/s	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	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)	256	256	256	256	256
Reliability/Data Integrity					
Mean Time Between Failures (MTBF, hours)	2,500,000	1,200,000	2,000,000	1,200,000	1,200,000
Nonrecoverable 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)	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)	7200	7200	7200	7200	7200
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					
Startup Current, Typical (12V, A)	2.0	2.0	1.8	2.0	1.8
Idle Power, Average (W)	5.0	5.0	7.8	5.0	7.8
Average Operating Power (W)	7.8W	7.8W	10.1W	7.8W	10.1W
Standby Mode, Typical (W)	1.0	1.0	1.0	1.17	1.0
Sleep Mode, Typical (W)	1.0	1.0	1.0	1.17	1.0
Power Supply Requirements	+12 V and +5 V	+12 V and +5 V	+12 V and +5 V	+12 V and +5 V	+12 V and +5 V
Environmental/Temperature					
Operating Temperature (ambient, min °C)	0	0	0	0	0
Operating Temperature (drive reported, max °C) ⁴	65	65	65	65	65
Nonoperating Temperature (ambient, min °C)	-40	-40	-40	-40	-40
Nonoperating Temperature (ambient, max °C)	70	70	70	70	70
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

³ Rescue Data Recovery Services not available in some countries.

⁴ Seagate does not recommend operating at sustained drive temperatures above 60C. Operating at higher temperatures may affect drive health.



Specifications	8TB	8TB	6TB	6TB
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)	256	256	256	256
Reliability/Data Integrity				
Mean Time Between Failures (MTBF, hours)	2,000,000	1,200,000	2,000,000	1,200,000
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)	7200	7200	7200	7200
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				
Startup Current, Typical (12V, A)	2.0	2.0	2.0	2.0
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)	1.0	1.0	1.0	1.0
Sleep Mode, Typical (W)	1.0	1.0	1.0	1.0
Power Supply Requirements	+12 V and +5 V	+12 V and +5 V	+12 V and +5 V	+12 V and +5 V
Environmental/Temperature				
Operating Temperature (ambient, min °C)	0	0	0	0
Operating Temperature (drive reported, max °C) ⁴	65	65	65	65
Nonoperating Temperature (ambient, min °C)	-40	-40	-40	-40
Nonoperating Temperature (ambient, max °C)	70	70	70	70
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)	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	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
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	20	20	20	20
Cartons per Pallet/Cartons per Layer	40/8	40/8	40/8	40/8

³ Rescue Data Recovery Services not available in some countries.

⁴ Seagate does not recommend operating at sustained drive temperatures above 60C. Operating at higher temperatures may affect drive health.



Specifications	4TB	4TB	2TB	2TB
Capacity	4TB	4TB	2TB	2TB
Standard Model Number	ST4000NT001	ST4000NE001	ST2000NT001	ST2000NE001
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)	256	256	256	256
Reliability/Data Integrity				
Mean Time Between Failures (MTBF, hours)	2,000,000	1,200,000	2,000,000	1,200,000
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)	7200	7200	7200	7200
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)	250MB/s	220MB/s	226MB/s	220MB/s
Rotational Vibration @ 10-1500 Hz (rad/s)	12.5	12.5	12.5	12.5
Power Consumption				
Startup Current, Typical (12V, A)	2.0	2.0	2.0	2.0
Idle Power, Average (W)	5.5	5.5	3.8	3.8
Average Operating Power (W)	8.7W	8.7W	6.7W	6.7W
Standby Mode, Typical (W)	1.0	1.0	1.0	1.0
Sleep Mode, Typical (W)	1.0	1.0	1.0	1.0
Power Supply Requirements	+12 V and +5 V	+12 V and +5 V	+12 V and +5 V	+12 V and +5 V
Environmental/Temperature				
Operating Temperature (ambient, min °C)	0	0	0	0
Operating Temperature (drive reported, max °C) ⁴	65	65	65	65
Nonoperating Temperature (ambient, min °C)	-40	-40	-40	-40
Nonoperating Temperature (ambient, max °C)	70	70	70	70
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)	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	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
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
Cartons per Pallet/Cartons per Layer	40/8	40/8	40/8	40/8

³ Rescue Data Recovery Services not available in some countries.

⁴ Seagate does not recommend operating at sustained drive temperatures above 60C. Operating at higher temperatures may affect drive health.

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Za najnovije informacije o ceni, dostupnim akcijama i tehničkim karakteristikama proizvoda koji se pominje u ovom dokumentu, molimo posetite našu stranicu klikom na sledeći link:

<https://tehnoteka.rs/p/seagate-hard-disk-16tb-st16000nt001-ironwolf-pro-akcija-cena/>