

Informacije o proizvodu (EN)

SEAGATE hard disk 12TB ST12000VN0008 (256MB)
IronWolf



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-12tb-st12000vn0008-256mb-ironwolf-akcija-cena/>



3.5 HDD DATA SHEET

Tough. Ready. Scalable
Purpose-built for Connected-Home, SOHO,
& Small-to-Medium Business NAS
Environments



IronWolf™ is designed for consumer and commercial NAS. Delivering Tough, Ready and Scalable 24x7 performance in multi-bay, networked environments.



Best-Fit Applications

- Consumer and Commercial NAS
- Desktops and Workstations
- Multimedia Servers



Key Advantages

Optimized for NAS with 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 drives are designed for 24x7 usage, allowing users to access their data any time, anywhere.

All-CMR Portfolio All IronWolf drives utilize Conventional Magnetic Recording (CMR) technology for consistent, best-in-class NAS performance.

Up to 16TB Broad range of capacity options to deliver scalable and cost-efficient storage solutions.

Built Tough IronWolf drives are rated for 180TB/year workload, allowing consumer and commercial NAS users to seamlessly store and work with large amounts of networked data.

Superior Reliability and Dependability IronWolf drives are rated for 1M hours MTBF and include a 3-year limited warranty for hassle-free data storage and best-in-class total cost of ownership (TCO)

Rotational Vibration (RV) sensors¹. Built-in RV sensors for vibration tolerance and consistent performance in multi-bay systems.

IronWolf Health Management (IHM)² Actively protect your NAS data with Prevention, Intervention, and Recovery recommendations to ensure peak system health.

Peace of mind with Data Recovery³ IronWolf drives include three 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 Refer to specifications table for models supported.

² IHM is enabled on all leading NAS systems. Please check with your NAS vendor or a Seagate sales representative for more details.

³ Rescue services not available in all countries. Contact your Seagate sales representative for further details.



Specifications	16TB	14TB	12TB	10TB	
Capacity	16TB	14TB	12TB	10TB	10TB
Standard Model Number	ST16000VN001	ST14000VN0008	ST12000VN0008	ST10000VN000	ST10000VN0008
Interface	SATA 6Gb/s				
Features and Performance					
Drive Bays Supported	1-8 Bays				
Recording Technology	CMR	CMR	CMR	CMR	CMR
Drive Design (Air or Helium)	Helium	Helium	Helium	Air	Helium
Workload Rate Limit (WRL)	180	180	180	180	180
Rotational Vibration (RV) Sensor	Yes	Yes	Yes	Yes	Yes
Dual-Plane Balance	Yes	Yes	Yes	Yes	Yes
Error Recovery Control	Yes	Yes	Yes	Yes	Yes
Max. Sustained Transfer Rate OD (MB/s)	240MB/s	240MB/s	210MB/s	210MB/s	210MB/s
Spindle Speed (RPM)	7200RPM	7200RPM	7200RPM	7200RPM	7200RPM
Cache (MB)	256MB	256MB	256MB	256MB	256MB
Reliability					
Load/Unload Cycles	600,000	600,000	600,000	600,000	600,000
Nonrecoverable Read Errors Rate, Max	1 per 10E15				
Power-On Hours	8760	8760	8760	8760	8760
Mean Time Between Failures (MTBF, hours)	1000000 hrs				
Rescue Data Recovery Services (years) ⁴	3	3	3	3	3
Warranty, Limited (years)	3	3	3	3	3
Power Management					
Startup Current, Typical (12V, A)	1.8A	1.8A	1.8A	1.8A	1.8A
Average Operating Power	7.3	7.3	7.3W	10.1W	7.8W
Idle Power Average (W)	5.1	5.1	5.1W	7.8W	5.0W
Standby Mode/Sleep Mode, Typical (W)	1.28W	1.17W	1.17W	1.0W	1.17W
Environmental/Temperature					
Operating Temperature (ambient, min°C)	0°C	0°C	0°C	0°C	0°C
Operating Temperature (drive reported, max °C) ⁵	65°C	65°C	65°C	65°C	65°C
Environmental/Shock					
Shock, Operating/Nonoperating: 2ms (max)	50Gs/200Gs	50Gs/200Gs	50Gs/200Gs	70Gs/300Gs	70Gs/250Gs
Environmental/Acoustics					
Acoustics, Idle (typical, measured in Idle 1 state) (dBA)	28	28	28	28	28
Acoustics, Seek (typical) (dBA)	30	30	30	32	30
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/4.010in	101.85mm/4.010in	101.85mm/4.010in	101.85mm/4.010in	101.85mm/4.010in
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	650g/1.433lb	650g/1.433lb	720g/1.59lb	690g/1.521lb
Carton Unit Quantity	20	20	20	20	20
Cartons per Pallet/Cartons per Layer	40/8	40/8	40/8	40/8	40/8

⁴ Rescue services are not available in all countries. Contact your Seagate sales representative for more info.

⁵ It is not recommended to operate at sustained drive temperatures above 60°C. Higher temperatures may affect drive health.



Specifications	8TB		6TB	
Capacity	8TB	8TB	6TB	6TB
Standard Model Number	ST8000VN004	ST8000VN002	ST6000VN006	ST6000VN001
Interface	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s
Features and Performance				
Drive Bays Supported	1-8 Bays	1-8 Bays	1-8 Bays	1-8 Bays
Recording Technology	CMR	CMR	CMR	CMR
Drive Design (Air or Helium)	Air	Air	Air	Air
Workload Rate Limit (WRL)	180	180	180	180
Rotational Vibration (RV) Sensor	Yes	Yes	Yes	Yes
Dual-Plane Balance	Yes	Yes	Yes	Yes
Error Recovery Control	Yes	Yes	Yes	Yes
Max. Sustained Transfer Rate OD (MB/s)	210MB/s	202MB/s	202MB/s	190MB/s
Spindle Speed (RPM)	7200RPM	5400RPM	5400RPM	5400RPM
Cache (MB)	256MB	256MB	256MB	256MB
Reliability				
Load/Unload Cycles	600,000	600,000	600,000	600,000
Nonrecoverable Read Errors Rate, Max	1 per 10E15	1 per 10E14	1 per 10E14	1 per 10E14
Power-On Hours	8760	8760	8760	8760
Mean Time Between Failures (MTBF, hours)	1000000 hrs	1000000 hrs	1000000 hrs	1000000 hrs
Rescue Data Recovery Services (years) ⁴	3	3	3	3
Warranty, Limited (years)	3	3	3	3
Power Management				
Startup Current, Typical (12V, A)	2	2	2	2
Average Operating Power	10.1W	5.3W	5.3W	5.3W
Idle Power Average (W)	7.8W	4.0W	4.0W	3.4W
Standby Mode/Sleep Mode, Typical (W)	1.0W	0.25W	0.25W	0.25W
Environmental/Temperature				
Operating Temperature (ambient, min°C)	0°C	0°C	0°C	0°C
Operating Temperature (drive reported, max °C) ⁵	65°C	65°C	65°C	65°C
Environmental/Shock				
Shock, Operating/Nonoperating: 2ms (max)	70Gs/300Gs	80Gs/300Gs	80Gs/300Gs	70Gs/250Gs
Environmental/Acoustics				
Acoustics, Idle (typical, measured in Idle 1 state) (dBA)	28	25	25	26
Acoustics, Seek (typical) (dBA)	32	26	26	27
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/4.010in	101.85mm/4.01in	101.85mm/4.010in
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	630g/1.389lb	630g/1.389lb	610g/1.345lb
Carton Unit Quantity	20	20	20	20
Cartons per Pallet/Cartons per Layer	40/8	40/8	40/8	40/8

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Specifications	4TB		3TB	
Capacity	4TB	4TB	3TB	3TB
Standard Model Number	ST4000VN006	ST4000VN008	ST3000VN006	ST3000VN007
Interface	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s
Features and Performance				
Drive Bays Supported	1-8 Bays	1-8 Bays	1-8 Bays	1-8 Bays
Recording Technology	CMR	CMR	CMR	CMR
Drive Design (Air or Helium)	Air	Air	Air	Air
Workload Rate Limit (WRL)	180	180	180	180
Rotational Vibration (RV) Sensor	Yes	Yes	Yes	—
Dual-Plane Balance	Yes	Yes	Yes	Yes
Error Recovery Control	Yes	Yes	Yes	Yes
Max. Sustained Transfer Rate OD (MB/s)	202MB/s	180MB/s	202MB/s	180MB/s
Spindle Speed (RPM)	5400	5900RPM	5400RPM	5900RPM
Cache (MB)	256MB	64MB	256MB	64MB
Reliability				
Load/Unload Cycles	600,000	600,000	600,000	600,000
Nonrecoverable Read Errors Rate, Max	1 per 10E14	1 per 10E14	1 per 10E14	1 per 10E14
Power-On Hours	8760	8760	8760	8760
Mean Time Between Failures (MTBF, hours)	1000000 hrs	1000000 hrs	1000000 hrs	1000000 hrs
Rescue Data Recovery Services (years) ⁴	3	3	3	3
Warranty, Limited (years)	3	3	3	3
Power Management				
Startup Current, Typical (12V, A)	1.8	1.8	1.8A	1.8A
Average Operating Power	4.8W	4.8W	4.8W	4.8W
Idle Power Average (W)	3.96W	3.95W	3.96W	4.8W
Standby Mode/Sleep Mode, Typical (W)	0.5W	0.5W	0.5W	0.5W
Environmental/Temperature				
Operating Temperature (ambient, min°C)	0°C	0°C	0°C	0°C
Operating Temperature (drive reported, max °C) ⁵	65°C	65°C	65°C	65°C
Environmental/Shock				
Shock, Operating/Nonoperating: 2ms (max)	80Gs/300Gs	80Gs/300Gs	80Gs/300Gs	80Gs/300Gs
Environmental/Acoustics				
Acoustics, Idle (typical, measured in Idle 1 state) (dBA)	23	23	23	23
Acoustics, Seek (typical) (dBA)	27	25	27	25
Physical				
Height (mm/in)	20.20mm/0.795in	26.11mm/1.028in	20.20mm/0.795in	26.11mm/1.028in
Width (mm/in, max)	101.85mm/4.010in	101.85mm/4.010in	101.85mm/4.010in	101.85mm/4.010in
Depth (mm/in, max)	146.99mm/5.787in	146.99mm/5.787in	146.99mm/5.787in	146.99mm/5.787in
Weight (g/lb, typical)	490g/1.08lb	610g/1.345lb	490g/1.08lb	610g/1.345lb
Carton Unit Quantity	25	20	25	20
Cartons per Pallet/Cartons per Layer	40/8	40/8	40/8	40/8

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Specifications	2TB		1TB	
Capacity	2TB	2TB	1TB	1TB
Standard Model Number	ST2000VN003	ST2000VN004	ST1000VN008	ST1000VN002
Interface	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s
Features and Performance				
Drive Bays Supported	1-8 Bays	1-8 Bays	1-8 Bays	1-8 Bays
Recording Technology	CMR	CMR	CMR	CMR
Drive Design (Air or Helium)	Air	Air	Air	Air
Workload Rate Limit (WRL)	180	180	180	180
Rotational Vibration (RV) Sensor	Yes	—	Yes	—
Dual-Plane Balance	Yes	Yes	Yes	Yes
Error Recovery Control	Yes	Yes	Yes	Yes
Max. Sustained Transfer Rate OD (MB/s)	180MB/s	180MB/s	180MB/s	180MB/s
Spindle Speed (RPM)	5400RPM	5900RPM	5400RPM	5900RPM
Cache (MB)	256MB	64MB	256MB	64MB
Reliability				
Load/Unload Cycles	600,000	600,000	600,000	—
Nonrecoverable Read Errors Rate, Max	1 per 10E14	1 per 10E14	1 per 10E14	1 per 10E14
Power-On Hours	8760	8760	8760	8760
Mean Time Between Failures (MTBF, hours)	1000000 hrs	1000000 hrs	1000000 hrs	1000000 hrs
Rescue Data Recovery Services (years) ⁴	3	3	3	3
Warranty, Limited (years)	3	3	3	3
Power Management				
Startup Current, Typical (12V, A)	1.8A	1.8A	1.8A	1.2A
Average Operating Power	3.1W	4.3W	3.1W	3.76W
Idle Power Average (W)	2.8W	3.56W	2.8W	2.5W
Standby Mode/Sleep Mode, Typical (W)	0.25W	0.5W	0.25W	0.5W
Environmental/Temperature				
Operating Temperature (ambient, min°C)	0°C	0°C	0°C	0°C
Operating Temperature (drive reported, max °C) ⁵	65°C	65°C	65°C	65°C
Environmental/Shock				
Shock, Operating/Nonoperating: 2ms (max)	80Gs/300Gs	80Gs/300Gs	80Gs/300Gs	80Gs/300Gs
Environmental/Acoustics				
Acoustics, Idle (typical, measured in Idle 1 state) (dBA)	20	19	20	21
Acoustics, Seek (typical) (dBA)	21	21	21	23
Physical				
Height (mm/in)	20.20mm/0.795in	26.11mm/1.028in	20.20mm/0.795in	20.20mm/0.795in
Width (mm/in, max)	101.85mm/4.010in	101.85mm/4.010in	101.85mm/4.010in	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)	415g/0.915lb	535g/1.18lb	415g/0.915lb	415g/0.915lb
Carton Unit Quantity	25	20	25	25
Cartons per Pallet/Cartons per Layer	40/8	40/8	40/8	40/8

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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:

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