

ST10000NT001

Seagate Ironwolf Pro 10TB 3.5" 7200rpm SATA 6Gb/s NAS Hard Disk Drive

Product Overview

Seagate Ironwolf Pro 10TB 3.5" 7200rpm SATA 6Gb/s NAS Hard Disk Drive, CMR recording technology, Unlimited Drive bays supported, 256MB Cache, 512e Sector size, 263MB/s Maximum sustained transfer rate OD, ST10000NT001



Specifications

Overview Summary:

The Seagate Ironwolf Pro 10TB NAS Hard Drive is perfect for South African users seeking high-capacity, reliable storage for home or office networks. With 7200rpm speed, SATA 6Gb/s interface, and advanced CMR recording technology, it ensures smooth performance and fast data transfer. Ideal for heavy workloads, it supports unlimited drive bays and comes with a 256MB cache for efficient file handling. Shop now to upgrade your NAS setup with robust, high-performance storage.

Performance tier:Enterprise-grade

Uses:NAS storage, data backup, file server, media storage, business data management

Overview:

Seagate Ironwolf Pro 10TB NAS Hard Drive for High-Performance Storage

Designed for network-attached storage systems, the Seagate Ironwolf Pro 10TB hard drive delivers reliable, high-capacity storage with consistent performance. It is ideal for small and medium-sized businesses requiring scalable storage solutions. With a 7200 RPM spindle speed and advanced CMR recording technology, this drive supports intensive workloads while maintaining fast data transfer rates. Its large 256MB cache and 512e sector size ensure efficient data access, while built-in RV sensors and vibration resistance keep performance steady even in multi-drive environments.

Description:

The Seagate Ironwolf Pro 10TB NAS hard drive offers a high-capacity solution for robust storage needs. It supports unlimited drive bays and is optimized for NAS applications, providing up to 263MB/s sustained data transfer rates. Air-filled design and advanced vibration sensors enhance stability in multi-drive setups. Users benefit from a 7200 RPM spindle speed, 256MB cache, and SATA 6Gb/s interface for fast, reliable data handling. This drive is designed to operate in ambient temperatures from 0degrees C to 65degrees C and can withstand shocks and vibrations, ensuring consistent performance and long-term

data integrity.

Features:

Capacity and Storage Design

With a 10TB capacity, this drive is ideal for large datasets, multimedia libraries, and business-critical applications. Its CMR recording technology ensures dependable data integrity while providing compatibility with RAID setups in NAS environments. The drive's air-based design supports efficient cooling and optimal performance for continuous operation.

Performance and Speed

Equipped with a 7200 RPM spindle and 256MB cache, the Ironwolf Pro maximizes read and write speeds, supporting sustained data transfer up to 263MB/s. It is compatible with SATA 6Gb/s, 3Gb/s, and 1.5Gb/s interfaces, making it suitable for a wide range of systems. Built-in rotational vibration sensors maintain performance even in multi-drive arrays, reducing downtime and improving overall system reliability.

Energy and Efficiency

This drive is engineered for energy-efficient operation. Typical idle power consumption is 7.8W, with average operating power at 10.1W. Startup requires 1.8A at 12V, and standby or sleep modes drop to just 1W, helping lower operating costs while maintaining readiness.

Durability and Environmental Resistance

The Ironwolf Pro is built to handle demanding environments, operating between 0degrees C and 65degrees C and surviving storage temperatures from -40degrees C to 70degrees C. It can endure shocks of up to 70Gs during operation and 250Gs when not in use, withstanding vibration and other environmental stressors to protect your data.

Physical Dimensions and Installation

Measuring 26.11mm in height, 101.85mm in width, and 146.99mm in depth, the drive fits standard 3.5-inch bays. Weighing 720g, it is easy to handle during installation and compatible with a variety of NAS chassis. The drive is sold in cartons of 20 units, with efficient pallet stacking for bulk purchases.

Specifications:

Specifications	10TB
Capacity	10TB
Standard Model Number	ST10000NT001
Interface	SATA 6Gb/s
Features	
Drive Bays Supported	Unlimited
Recording Technology	CMR
Drive Design (Air or Helium)	Air
Workload Rate Limit (WRL)	550
Rotational Vibration (RV) Sensors	Yes
Cache (MB)	256
Reliability/Data Integrity	
Mean Time Between Failures (MTBF, hours)	2000000

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Product Specification Sheet

Nonrecoverable Read Errors per Bits Read, Max	1 per 10E15
Power-On Hours (per year)	8760
Sector Size (Bytes per Logical Sector)	512E
Performance	
Spindle Speed (RPM)	7200
Interface Access Speed (Gb/s)	6.0, 3.0, 1.5
Max. Sustained Transfer Rate OD (MB/s)	263MB/s
Rotational Vibration @ 10-1500 Hz (rad/s)	12.5
Power Consumption	
Startup Current, Typical (12V, A)	1.8
Idle Power, Average (W)	7.8
Average Operating Power (W)	10.1W
Standby Mode, Typical (W)	1
Sleep Mode, Typical (W)	1
Power Supply Requirements	+12 V and +5 V
Environmental/Temperature	
Operating Temperature (ambient, min degreesC)	0
Operating Temperature (drive reported, max degreesC)	65
Nonoperating Temperature (ambient, min degreesC)	-40
Nonoperating Temperature (ambient, max degreesC)	70
Environmental/Acoustics	
Vibration, Nonoperating: 10Hz to 500Hz (Grms)	2.27
Acoustics, Idle (typical, measured in Idle 1 state) (dBA)	28
Acoustics, Seek (typical) (dBA)	30
Environmental/Shock	
Shock, Operating 2ms (Read/Write) (Gs)	70/40Gs
Shock, Nonoperating, 1ms and 2ms (Gs)	250
Physical	
Height (mm/in)	26.11mm/1.028in

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Product Specification Sheet

Width (mm/in, max)	101.85mm/4.01in
Depth (mm/in, max)	146.99mm/5.787in
Weight (g/lb, typical)	720g/1.59lb
Carton Unit Quantity	20
Cartons per Pallet/Cartons per Layer	40/8

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/ST10000NT001-Seagate-Ironwolf-Pro-10TB-3-5-7200rpm-Buy-p-334118.php>

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