BARRACUDAPRO
COMPUTE

SEAGATE

Amazing Versatility and Trusted Dependability Meet Incredible Speed

Lightning-fast performance and titanic storage up to 10TB give your desktop or creative professional system the edge you need to be your very best. BarraCuda® Pro 3.5-inch drives are also backed by a 5-year limited warranty.

10TB
BarraCuda Pro
ST10000DM0004

Best-Fit Applications

- Creative pros systems
- Desktop or all-in-one PCs
- Home servers
- Entry-level direct-attached storage devices (DAS)

Rescue
DATA RECOVERY SERVICES

Key Advantages

Highest capacity. Up to 10TB means you get the highest storage capacity available in the 3.5-inch PC class.

Peace of mind. A 5-year limited warranty and 300TB/year workload limit means this drive has your back.

Incredible speed. Delivers 7200-RPM spin speed along with sustained data rates up to 220MB/s and burst data rates of 6GB/s.

Energy efficient. Drawing a mere 6.8W, this drive is one of the lowest-power 3.5-inch drives on the market.[1]

Ultimate protection. Bundled with Seagate® Rescue Data Recovery, this drive is protected for 2 years against any mechanical, accidental or nature disaster—with a 90% success rate for in-house recovery.[2]

History of reliability. For 20+ years, the Barracuda family has had a reputation for complete reliability.

Optimized for creative pros. Designed and tuned for creative applications, these drives feature higher random performance and drive reliability than typical PC compute drives.

1 10TB model only.
2 Registration required to activate.

Specifications	10TB[1]	8TB[1]		6TB[1]	4TB[1]	2TB[1]
Standard Model Numbers	ST10000DM0004	ST8000DM005	ST8000DM0004	ST6000DM004	ST4000DM006	ST2000DM009
Bytes per Sector	512	512	512	512	512	512
Performance						
Interface	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s
SATA Transfer Rates Supported (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	6.0/3.0/1.5
Max Sustained Transfer Rate OD (MB/s)	220	220	220	220	220	195
Cache, Multisegmented (MB)	256	256	256	256	128	128
Reliability/Data Integrity						
Load/Unload Cycles	300,000	300,000	300,000	300,000	300,000	300,000
Nonrecoverable Read Errors per Bits Read, Max	1 per 10E15	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	8760
Data Recovery and Rescue Services	Yes	Yes	Yes	Yes	Yes	Yes
Workload Rate Limit (TB/year)[2]	300	300	300	300	300	300
Warranty, Limited (years)	5	5	5	5	5	5
Power Management						
Startup Power (A)	1.8	2.0	1.8	2.0	2.0	2.0
Operating Mode, Typical (W)	6.8	9.0	6.8	9.0	6.7	7.5
Idle Average (W)	4.5	7.2	4.5	7.2	6.0	4.5
Standby Mode/Sleep Mode, Typical (W)	0.8/0.8	0.6/0.6	0.8/0.8	0.6/0.6	0.6/0.6	0.8/0.8
Environmental						
Temperature (°C)						
Operating (ambient, min)	0	0	0	0	0	0
Operating (drive case, max)	60	60	60	60	60	60
Nonoperating (ambient)	−40 to 70	−40 to 70	−40 to 70	−40 to 70	−40 to 70	−40 to 70
Halogen Free	Yes	Yes	Yes	Yes	Yes	Yes
RoHS Compliance	Yes	Yes	Yes	Yes	Yes	Yes
Physical						
Height (mm/in, max)	26.11/1.028	26.11/1.028	26.11/1.028	26.11/1.028	26.11/1.028	26.11/1.028
Width (mm/in, max)	101.85/4.01	101.85/4.01	101.85/4.01	101.85/4.01	101.85/4.01	101.85/4.01
Depth (mm/in, max)	146.99/5.787	146.99/5.787	146.99/5.787	146.99/5.787	146.99/5.787	146.99/5.787
Weight (g/lb, typical)	650/1.433	780/1.720	650/1.433	780/1.720	680/1.50	550/1.21
Carton Unit Quantity	20	20	20	20	20	20
Cartons per Pallet/Cartons per Layer	40/8	40/8	40/8	40/8	40/8	40/8

1 One gigabyte, or GB, equals one billion bytes and one terabyte, or TB, equals one trillion bytes when referring to drive capacity.
2 BarraCuda Pro drives are designed for always-on workloads of 300TB/year. For higher transaction workloads, see Seagate's enterprise-class drive offerings.

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