BARRACUDA**PRO**
COMPUTE

SEAGATE

Amazing Versatility and Trusted Dependability Meet Incredible Speed

Lightning-fast performance and titanic storage up to 12 TB 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.

12TB
BarraCuda Pro
ST12000DM0007

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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 12 TB means you get the highest storage capacity available in the 3.5-inch PC class.

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

Incredible speed. Delivers 7200-RPM spin speed along with sustained data rates up to 250MB/s and burst data rates of 6Gb/s.

Energy efficient. This drive is one of the lowest-power 3.5-inch drives on the market.

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.[1]

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

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

1 Registration required to activate.

Specifications	12TB	10TB	8TB
Standard Model Numbers	ST12000DM0007	ST10000DM0004	ST8000DM0004
Bytes per Sector	512	512	512
Performance			
Interface	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
Max. Sustained Transfer Rate OD (MB/s)	250MB/s	220MB/s	220MB/s
Cache, Multi-segmented (MB)	256	256	256
Reliability/Data Integrity			
Load/Unload Cycles	300,000	300,000	300,000
Non-recoverable Read Errors per Bits Read, Max	1 per 10E15	1 per 10E15	1 per 10E15
Power-On Hours per Year (24×7)	8,760	8,760	8,760
Data Recovery and Rescue Services	Yes	Yes	Yes
Workload Rate Limit (TB/year)[1]	300	300	300
Limited Warranty (years)	5	5	5
Power Management			
Startup Power (A)	2	2	2
Operating Mode, Typical (W)	7.8	7.8	6.8
Idling Average (W)	4.83 W	4.42 W	4.42 W
Standby Mode/Sleep Mode, Typical (W)	0.84/0.8	0.8/0.8	0.8/0.8
Environmental/Temperature			
Operating (ambient, min)	0°C	0°C	0°C
Operating (drive case, max)	60°C	60°C	60°C
Non-operating (ambient)	-40°C – 70°C	-40°C – 70°C	-40°C – 70°C
Halogen-free	Yes	Yes	Yes
RoHS compliance	Yes	Yes	Yes
Physical			
Height (mm/in, max)	26.11 mm/1.028 in	26.11 mm/1.028 in	26.11 mm/1.028 in
Width (mm/in, max)	101.85 mm/4.01 in	101.85 mm/4.01 in	101.85 mm/4.01 in
Depth (mm/in, max)	146.99 mm/5.787 in	146.99 mm/5.787 in	146.99 mm/5.787 in
Weight (lb/g)	705 g/1.554 lb	705 g/1.554 lb	705 g/1.554 lb
Carton Unit Quantity	20	20	20
Cartons per Pallet / Cartons per Layer	40/8	40/8	40/8

1 BarraCuda Pro drives are designed for always-on workloads of 300 TB/year. For higher transaction workloads, see Seagate's enterprise-class drive offerings

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Specifications	6TB	4TB	2TB
Standard Model Numbers	ST6000DM004	ST4000DM006	ST2000DM009
Bytes per Sector	512	512	512
Performance			
Interface	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
Max. Sustained Transfer Rate OD (MB/s)	220MB/s	220MB/s	195MB/s
Cache, Multi-segmented (MB)	256	128	128
Reliability/Data Integrity			
Load/Unload Cycles	300,000	300,000	300,000
Non-recoverable Read Errors per Bits Read, Max	1 per 10E15	1 per 10E15	1 per 10E15
Power-On Hours per Year (24×7)	8,760	8,760	8,760
Data Recovery and Rescue Services	Yes	Yes	Yes
Workload Rate Limit (TB/year)[1]	300	300	300
Limited Warranty (years)	5	5	5
Power Management			
Startup Power (A)	2	2	2
Operating Mode, Typical (W)	9.0	6.7	6.7
Idling Average (W)	7.2 W	6 W	4.5 W
Standby Mode/Sleep Mode, Typical (W)	0.6/0.6	0.6/0.6	0.8/0.8
Environmental/Temperature			
Operating (ambient, min)	0°C	0°C	0°C
Operating (drive case, max)	60°C	60°C	60°C
Non-operating (ambient)	-40°C – 70°C	-40°C – 70°C	-40°C – 70°C
Halogen-free	Yes	Yes	Yes
RoHS compliance	Yes	Yes	Yes
Physical			
Height (mm/in, max)	26.1 mm/1.028 in	26.1 mm/1.028 in	26.1 mm/1.028 in
Width (mm/in, max)	101.85 mm/4.01 in	101.85 mm/4.01 in	101.85 mm/4.01 in
Depth (mm/in, max)	146.99 mm/5.787 in	5.787 mm/146.99 in	146.99 mm/5.787 in
Weight (lb/g)	780 g/1.72 lb	680 g/1.5 lb	550 g/1.21 lb
Carton Unit Quantity	20	20	20
Cartons per Pallet / Cartons per Layer	40/8	40/8	40/8

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