BARRACUDA PRO

COMPUTE

SEAGATE

Amazing Versatility and Trusted Dependability Meet Incredible Speed

Lightning-fast performance and titanic storage up to 14TB 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.

14TB
BarraCuda Pro
ST14000DM001

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 14TB 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 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 Services, this drive is protected for 2 years against any mechanical, accidental, or natural 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.

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 Registration required to activate.

Specifications	14TB	12TB	12TB	10TB	10TB
Standard Model Numbers	ST14000DM001	ST12000DM001	ST12000DM0007	ST10000DM001	ST10000DM0004
Bytes per Sector	512	512	512	512	512
Performance					
Interface	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
Max Sustained Data Rate, OD Read (MB/s)	250MB/s	250MB/s	250MB/s	220MB/s	220MB/s
Cache, Multisegmented (MB)	256	256	256	256	256
Recording Technology	CMR	CMR	CMR	CMR	CMR
Reliability/Data Integrity					
Load/Unload Cycles	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
Power-On Hours (per year)	8760	8760	8760	8760	8760
Data Recovery and Rescue Services	Yes	Yes	Yes	Yes	Yes
Workload Rate Limit (TB/year)[1]	300	300	300	300	300
Warranty, Limited (years)	5	5	5	5	5
Power Management					
Startup Power (A)	2.0	2.0	1.8	2.0	1.8
Operating Mode, Typical (W)	6.9	6.9	7.8	6.9	7.8
Idle Average (W)	4.9W	4.9W	5.0W	4.9W	5.0W
Standby Mode/Sleep Mode, Typical (W)	0.8/0.8	0.8/0.8	0.8/0.8	0.8/0.8	0.8/0.8
Environmental/Temperature					
Operating (ambient, min)	0°C	0°C	0°C	0°C	0°C
Operating (drive case, max)	60°C	60°C	60°C	60°C	60°C
Nonoperating (ambient)	-40°C – 70°C	-40°C – 70°C	-40°C – 70°C	-40°C – 70°C	-40°C – 70°C
Halogen Free	Yes	Yes	Yes	Yes	Yes
RoHS Compliance	Yes	Yes	Yes	Yes	Yes
Physical					
Height (mm/in, max)	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)	690g/1.521lb	690g/1.521lb	705g/1.55lb	690g/1.521lb	705g/1.55lb
Carton Unit Quantity	20	20	20	20	20
Cartons per Pallet/Cartons per Layer	40 / 8	40 / 8	40 / 8	40 / 8	40 / 8

1 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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Specifications	8TB	6TB	4TB	2TB
Standard Model Numbers	ST8000DM0004	ST6000DM004	ST4000DM006	ST2000DM009
Bytes per Sector	512	512	512	512
Performance				
Interface	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
Max Sustained Data Rate, OD Read (MB/s)	220MB/s	220MB/s	220MB/s	195MB/s
Cache, Multisegmented (MB)	256	256	128	128
Recording Technology	CMR	CMR	CMR	CMR
Reliability/Data Integrity				
Load/Unload Cycles	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
Power-On Hours (per year)	8760	8760	8760	8760
Data Recovery and Rescue Services	Yes	Yes	Yes	Yes
Workload Rate Limit (TB/year)[1]	300	300	300	300
Warranty, Limited (years)	5	5	5	5
Power Management				
Startup Power (A)	1.8	2.0	2.0	2.0
Operating Mode, Typical (W)	6.8	9.0	6.7	6.7
Idle Average (W)	4.4W	7.2W	6.0W	4.5W
Standby Mode/Sleep Mode, Typical (W)	0.8/0.8	0.6/0.6	0.6/0.6	0.8/0.8
Environmental/Temperature				
Operating (ambient, min)	0°C	0°C	0°C	0°C
Operating (drive case, max)	60°C	60°C	60°C	60°C
Nonoperating (ambient)	-40°C – 70°C	-40°C – 70°C	-40°C – 70°C	-40°C – 70°C
Halogen Free	Yes	Yes	Yes	Yes
RoHS Compliance	Yes	Yes	Yes	Yes
Physical				
Height (mm/in, max)	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
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/1.433lb	780g/1.72lb	680g/1.50lb	550g/1.21lb
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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