

U10 FAMILY

FORMATTED CAPACITIES OF 10.2 TO 20.4 GBYTES

ULTRA ATA/66



5,400 RPM

Entry-level disc drives delivering superior data protection, robustness and value

- Withstands 350 Gs of nonoperating shock for industry-leading protection against failure and returns
- Soft SeaShield® drive cover and SeaShell® packaging protect against ESD and handling damage.
- Seagate 3D Defense System™ provides comprehensive protection for customers' data.
- Whisper-quiet operation



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3.5 INCH DISC DRIVE	U10™	U10	U10
	ST310212A	ST315323A	ST320423A
CAPACITY AND INTERFACE			
Formatted Gbytes (512 bytes/sector)	10.2	15.3	20.4
Interface	Ultra ATA/66	Ultra ATA/66	Ultra ATA/66
PERFORMANCE			
Maximum Internal Transfer Rate (Mbits/sec)	308	308	308
Maximum External Transfer Rate (Mbytes/sec)	66.6	66.6	66.6
Average Sustained Transfer Rate (Mbytes/sec)	>8.5	>8.5	>8.5
Multisegmented Cache	512 Kbytes	512 Kbytes	512 Kbytes
Average Seek (msec)	8.9	8.9	8.9
Average Latency (msec)	5.6	5.6	5.6
Spindle Speed (RPM)	5,400	5,400	5,400
CONFIGURATION/ORGANIZATION			
Discs/Heads	1/2	2/3	2/4
Bytes per Sector	512	512	512
Logical CHS	16,383/16/63	16,383/16/63	16,383/16/63
Recording Method (PRML)	EPRML (24/26)	EPRML (24/26)	EPRML (24/26)
RELIABILITY/DATA INTEGRITY			
Contact Start-Stops (40°C)	50,000	50,000	50,000
3D Defense System	Yes	Yes	Yes
S.M.A.R.T. Capable	Yes	Yes	Yes
Nonrecoverable Read Errors per Bits Read	1 per 10 ¹³	1 per 10 ¹³	1 per 10 ¹³
Limited Warranty (years)	3	3	3
POWER REQUIREMENTS			
+12 VDC ± 10% (amps max)	1.5	1.5	1.5
+5 VDC ± 5% (amps max)	0.65	0.65	0.65
Power Management (watts) Seek	7.0	7.0	7.0
Read/Write	6.5	6.5	6.5
Idle	3.5	3.5	3.5
Standby	0.8	0.8	0.8
ENVIRONMENTAL			
Operating Temperature (°C)	0 to 60	0 to 60	0 to 60
Nonoperating Temperature (°C)	-40 to 70	-40 to 70	-40 to 70
Operating Shock @ 2 msec (Gs)	63	63	63
Nonoperating Shock @ 2 msec (Gs)	350	350	350
Acoustics, Idle (bels-sound power)	3.2	3.2	3.2
Performance Seek (bels-sound power)	3.5	3.5	3.5
PHYSICAL			
Height (in/mm)	1/26.1	1/26.1	1/26.1
Width (in/mm)	4/102.0	4/102.0	4/102.0
Depth (in/mm)	5.75/147.0	5.75/147.0	5.75/147.0
Weight (lb/g)	1.2/544	1.2/544	1.2/544

Capacity calculated as 1 Gbyte = 10⁹ bytes



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