

Seagate U-series 120GB PATA 3.5" Parallel ATA



Brand : Seagate **Product family:** U-series **Product code:** ST3120025ACE
Product name : 120GB PATA

3.5", 120GB, PATA, 2MB Cache, 7200RPM

Seagate U-series 120GB PATA 3.5" Parallel ATA:

- High instantaneous (burst) data transfer rates (up to 100 Mbytes per second) using Ultra DMA mode 5.
- Giant magnetoresistive (GMR) recording heads and EPRML technology, which provide the drives with increased areal density.
- State-of-the-art cache and on-the-fly error-correction algorithms.
- Full-track multiple-sector transfer capability without local processor intervention.
- Quiet operation.
- 350 Gs nonoperating shock.
- SeaTools diagnostic software performs a drive self-test that eliminates unnecessary drive returns.
- The 3D Defense System™, which includes Drive Defense, Data Defense, and Diagnostic Defense, offers the industry's most comprehensive protection for disc drives.
- Support for S.M.A.R.T. drive monitoring and reporting.
- Support for Read Multiple and Write Multiple commands.
- Support for autodetection of master/slave drives that use cable select (CSEL).

Features		Operational conditions	
HDD size *	3.5"	Storage temperature (T-T)	-40 - 70 °C
HDD capacity *	120 GB	Operating relative humidity (H-H)	5 - 90%
HDD speed *	7200 RPM	Storage relative humidity (H-H)	5 - 95%
Interface *	Parallel ATA	Operating vibration	1 G
Type *	HDD	Non-operating vibration	5 G
Storage drive buffer size	2 MB	Operating altitude	-60.96 - 3048 m
HDD number of cylinders	16383	Non-operating altitude	-60.96 - 12192 m
Read seek time	8.5 ms	Operating shock	63 G
Write seek time	9.5 ms	Non-operating shock	350 G
Track to track seek time	1.2 ms	Weight & dimensions	
Average latency	4.16 ms	Width	101.6 mm
SMART technology	✓	Height	26 mm
Bytes per sector	512	Depth	147 mm
Start/stop cycles	50000	Weight	635 g
Mean time between failures (MTBF)	600000 h	Packaging data	
Windows operating systems supported	✓	Quantity	1
Power		Other features	
Power consumption (standby)	0.9 W	Wi-Fi	✗
Power consumption (PowerSave)	0.9 W	Ethernet LAN	✗
Power consumption (read)	9.8 W	Product colour	Black
Power consumption (write)	9.8 W	Internal	✗
Power consumption (idle)	6.7 W	Maximum data transfer rate	100 Mbit/s
Operating voltage	5 / 12 V	USB powered	✗
Start-up current	2.3 A	eSATA	✓
Operational conditions		FireWire 400	✗
Operating temperature (T-T)	0 - 60 °C	FireWire 800	✗
		Fibre Channel	✗

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