

MIDLINE**3.5" ATA DRIVES FOR 24X7
POWER-ON APPLICATIONS****HIGHLIGHTS****MaXLine Plus II**

- 7200 RPM
- 250GB capacity
- SATA or PATA interface
- Max sustained data transfer rate up to 59MB/sec
- ≤9.0 ms average seek time
- Max burst transfer speeds up to 150MB/sec
- Large 8MB cache buffer

MaXLine II

- 5400 RPM
- 250GB and 300GB capacities
- ATA/133 interface
- Max sustained data transfer rate up to 46MB/sec
- ≤10.0ms average seek time
- Max burst transfer speeds up to 133MB/sec
- 2MB cache buffer

Exceptional Reliability

- 5-year warranty
- Rated to exceed 1 million hours MTTF for midline and other low-I/O secondary storage applications
- Proven in OEM NAS appliances
- S.M.A.R.T. compliance features

ATA HARD DRIVE**250GB 300GB**

MaXLine™ II and MaXLine Plus II

Industry-leading Capacity, Performance, And Reliability for Midline Applications

MaXLine drives provide large-capacity ATA disk storage so reliable, fast and cost-effective, it leaves traditional tape and optical solutions in the dust. At prices about the same as tape and optical, but with far superior capacity and access times, ATA drives are ideal for 24x7-duty situations where you may not need stored data all the time, but when you do need it, you need it *now*.

At 250GB and 300GB, MaXLine ATA drives provide greater storage capacity than regular ATA drives, and they offer the added benefit of ultra-reliability. For midline and other low-I/O secondary storage applications, they're rated at better than 1 million hours MTTF. Maxtor stands behind MaXLine drives with a 5-year limited warranty.

Proven technology

These drives are already proven as the heart of network attached storage systems from major original equipment manufacturers. And data availability can be further enhanced with RAID configurations. These 3.5-inch drives are also easy to integrate into existing storage systems, with complementary hardware controller and software solutions available that emulate tape-based libraries.

Active Recall Archiving

Consider the value MaXLine drives add by increasing the speed and reliability of data retrieval and restoration. Time is money, and the ability to find archived data quickly, recover it immediately and get back on line, is critical to productivity. Your customers have to accomplish more with less these days—in less time. MaXLine drives let them do just that.



MaXLine II	Capacity	Model number
Parallel ATA—ATA/133 2MB Buffer	250GB	5A250J0
	300GB	5A300J0

MaXLine Plus II	Capacity	Model number
PATA 133 8MB Buffer	250GB	7Y250P0
SATA 150 8MB Buffer	250GB	7Y250M0

Note: J=BB motor, L=FDB motor

Performance Specifications	MaXLine II	MaXLine Plus II
Rotational Speed	5400 RPM	7200 RPM
Buffer (Cache) Size	2MB	8MB
Maximum Burst Transfer Rate	133MB/sec	150MB/sec
Maximum Sustained Transfer Rate per Single Drive	46MB/sec	59MB/sec
Average Seek (ms)	≤10.0	≤9.0

Drive Configuration

Discs/Heads (Max)	4/8	3/6
Bytes per Sector/Block	512	512
Logical CHS	16,383/16/63	16,383/16/63

Reliability Specifications

Start/Stop Cycles (min)	>50,000	>50,000
Component Design Life (min)	5 years	5 years
Data Errors (non-recoverable)	<1 per 10E 15 bits read	<1 per 10E 15 bits read
Annualized Return Rate (ARR)	<1.0%	<1.0%
Warranty Period	5 Years	5 Years

Power Requirements	MaXLine II		MaXLine Plus II	
Mode	5V	12V	5V	12V
Seek (mA)	593	594	921	666
Idle (mA)	590	269	675	454
Standby (mA)	149	36	90	37

Environmental Limits

Acoustics

Idle (sound power: bel)	2.5	2.7
Performance Seek (sound power: bel)	3.6	3.8

Temperature

Operating (°C)	5 to 55	5 to 55
Non-operating (°C)	-40 to 71	-40 to 71

Shock

Operating Mechanical Shock 2msec (G)	60	60
Non-operating Mechanical Shock 2msec (G)	300	300

Physical Dimensions

Height (max mm)	26.1	26.1
Width (typical mm)	101.6	101.6
Length (max mm)	147.0	147.0
Weight (Max LB/g)	1.34/610	1.38/630



For support or information, call us at 1-800-2Maxtor or visit us at www.maxtor.com

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Service includes:

- Advance replacement in 2 business days
- 24-hour on-line troubleshooting tools and e-mail
- Maxtor's commitment to total customer satisfaction
- Product support representatives available Monday-Friday

To speak with a Maxtor product support representative in the U.S. and Canada, call 1-800-2MAXTOR, Mon.-Fri. from 5 a.m. to 5 p.m. (PST).

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Specifications subject to change without notice. GB means 1 billion bytes. Total accessible capacity varies depending on operating environment. Seek times and acoustics are average values.

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