



MICROPOLIS MUSTANG EIDE FAMILY

EIDE Interface 3.5-Inch Disk Drive

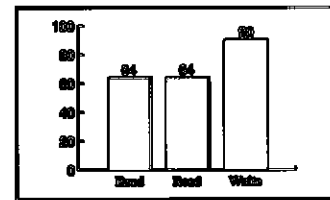
The new Micropolis Mustang™ Enhanced IDE (EIDE) family of 3.5-inch, low profile hard disk drives are designed to deliver the exceptional performance and higher storage capacities demanded by today's high-end desktop and entry-level workstation applications.

The Mustang drives feature a large 256 KB buffer which provides up to three times more usable buffer space than competitive IDE drives. This space enables us to implement many advanced caching features normally found only on high-performance SCSI drives. Micropolis' WriteNow™ allows the drive to queue up to four random write commands for execution independent of the host.

Mustang's Deep Prefetch algorithm boosts performance by storing more data in cache, thereby improving the likelihood that subsequent commands will make a cache hit. And, as in high-performance SCSI drives, Mustang's multiple independent buffer segments assure that the cache is never overwritten by write data on its way to the disk.

- 5.0, 4.0 and 2.5 gigabytes
- Enhanced IDE (EIDE) Interface
- 10.5 ms average seek time
- 16.6 MB/s Mode 4 PIO transfer rate
- 16.6 MB/s Mode 2 DMA transfer rate
- 5200 RPM spindle speed
- S.M.A.R.T. Compliant

In addition to outstanding reliability and performance, the Micropolis Mustang provides enhanced data integrity by utilizing a robust Reed-Solomon ECC implementation with triple burst on-the-fly error correction. The Mustang drives support the Self-Monitoring, Analysis and Reporting Technology (S.M.A.R.T.) industry standard.

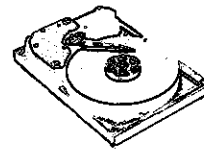


The Mustang Drives employ an advanced cache management structure of two 64 KB read segments and one 90 KB write segment normally found only in high-end SCSI drives.

The \$8 Billion financial backing of our parent, Singapore Technologies, allows us to continually enhance our operations — from design to production — ensuring that every Micropolis disk drive meets the industry's highest product quality standards. So whether you purchase a Tomahawk™, Mustang or Stinger™ drive, you can be confident that you're getting state-of-the-art disk drive technology.



MUSTANG SPECIFICATIONS



Physical Specifications	Mustang EIDE		
	Model 4525A	4540A	4550A
Formatted Capacity	2.5 GB	4.0 GB	5.0 GB
Number of Disks	2	3	4
Number of Heads	4	6	8
Model 4525A/4540A/4550A			
Interface	40 pin EIDE		
Form Factor	3.5-inch, one inch high		
Bytes per Sector	512 B		
Physical Dimensions			
H x W x D (in)	1 x 4 x 5.75		
H x W x D (mm)	25.4 x 101.6 x 146.1		
Weight (lb/kg)	1.4/.64		
Performance			
Seek Time			
Track-to-Track (read)	2.0 ms		
Average	10.5 ms		
Rotational Speed	5200 RPM		
Average Latency	5.77 ms		
Data Transfer Rate			
Buffer to Host	16.6 MB/s (Mode 4 PIO)		
	16.6 MB/s (Mode 2 DMA)		
Internal Data Rates			
Inner/Outer Zone	56/110 Mb/s		
Buffer	256 KB		
Start/Stop Cycles	40,000		
Environmental			
Shock			
Operating	10 G/11 ms		
Non-Operating	60 G/11 ms		
Vibration			
Operating	1 G peak (no non-recoverable errors)		
Non-Operating	5 G peak		
Temperature			
Operating	5° C to 55° C		
Non-Operating	-40° C to 65° C		
Acoustics			
Idle Mode	29 dBA typical		
Seek Mode	33 dBA typical		
Reliability			
MTBF	400,000 POH		
Power			
Voltage	5V±5%, 12V+8%/-10%		
Dissipation			
Idle/Seek	5.0/6.0 Watts (typical)		
Drive Features			
Multi-Segmented Adaptive Read Ahead Caching	168-bit Reed-Solomon ECC with triple burst on-the-fly error correction		
Write Caching	Extended command set includes read/write multiple commands		
PRML Read Channel	Supports DMA mode		
ID-less Sectors	Industry standard mounting in any orientation		
S.M.A.R.T Compliant	Millennium Compliant		
3-Year Warranty			

FOR MORE INFORMATION CALL 1-800-395-DRIVE

MICROPOLIS
The Drive For Excellence!™

Micropolis (USA) Inc
21211 Nordhoff Street
Chatsworth, CA 91311
Tel: 818-709-3300
World Wide Web:
<http://www.micropolis.com>

U.S. Sales Offices
•Irvine, CA 714-476-0411
•San Jose, CA 408-441-0333
•Lawrenceville, GA 770-963-4841

•North Potomac, MD 301-948-6099
•Salem, NH 603-898-3550
•Dallas, TX 972-985-5535
•Charlottesville, VA 804-975-3394

European Offices
•Reading, England +44 118-975 1315
•Paris, France +33 1-6920-15-18
•Munich, Germany +49 89-899-3930
•Stockholm, Sweden +46 8580-32095

Asia/Pacific Offices
•Singapore +65 482-4191

A member of  **Singapore Technologies**

