



Toshiba MK1031 Installation Notes

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TOSHIBA STORAGE DEVICE DIVISION
2.5" HDD SERIES INSTALLATION NOTES - 9.5mm
GAS Series

GENERAL DESCRIPTION

Toshiba's 2.5" Hard Disk Drive 9.5mm GAS series, HDDXXXX, comprise a series of _____ fast, high-capacity 2.5" Winchester disk drives which comply with ATA-5 standards and require only a simple adapter board for interfacing to standard

IDE cables.

SPECIFICATIONS

Formatted Capacity

Height

No. of Disks (platters)

No. of Data Heads

SPECIFICATIONS

Formatted Capacity

Height

No. of Disks (platters)

No. of Data Heads

FUNCTIONAL SPECIFICATION

Logical Drive Parameters				
No. of Cylinders (user)				
Bytes per Sector				
LBA Sectors				
Buffer Size (KBYTES)				
Rotation Speed ($\pm 1\%$)				
Transfer Rate Internal (MBITS/sec)				
No. of Cylinders (logical)				
No. of Heads				
No. of sec./Track				
PIO/Ultra DMA (MBITS/sec)				
Seek Time (MSEC.)				
Average Track-to-track				
Maximum				
P/N 480056-F0				
08/04				
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Contents subject to change without prior notice.				
MK3021				

298.0

298.0

16,383

16,383

16

16

63

63

16.6/100

16.6/100

12

12

2				
22				
22				
MK1031				
GAS				
HDD2A02				
100.030				
9.5mm				
2				
2				
4				
4				
MK3025				
GAS				

HDD2196

30.006GB

9.5mm

1				
1				
1				
2				
2				
MK1031				
GAS				
HDD2A02				

69,840
512
195,371,568
8,192
4,200
170.0 -
373.0

16383

16
63
16.6/100
12

2				
2				
22				
MK2023				
GAS				
HDD2187				
20.003				
9.5mm				
1				
2				
MK2023				
GAS				
HDD2187				
34,040				

512

39,070,080

2048

4200				
164.6				
257.1				
16383				
16				
63				
16.6/100				
12				

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Summary of Contents for Toshiba MK1031

Page 1 Contents subject to change without prior notice. GENERAL DESCRIPTION Toshiba's 2.5" Hard Disk Drive 9.5mm GAS series, HDDXXXX, comprise a series of fast, high-capacity 2.5" Winchester disk drives which comply with ATA-5 standards and require only a simple adapter board for interfacing to standard IDE cables.

Page 2 DRIVE CONFIGURATION Toshiba's 2.5" hard disk drives can be configured as either master or slave units. Master configuration is used for all single drive applications, and master or slave configuration (only one of each per port) is used for two drive applications. Use the information in the following table before setting M/S drive.

[Page 3](#) FIGURE 2 – MOUNTING HOLE LOCATIONS INSTALLATION INSTRUCTIONS Note:
Toshiba's 2.5" HDDs are primarily used in notebook devices. Installation into a notebook varies depending on the system manufacturer. Toshiba's 2.5" drives that are installed into a desktop PC require a 3.5" installation kit.

[Page 4](#) Note: Symbol (-) in front of signal indicates negative logic. TECHNICAL SUPPORT
Should you require technical support, contact your computer distributor. If your distributor is unable to answer your questions, have them call Toshiba Storage Device Division Technical Support, on your behalf. TOSHIBA - STORAGE DEVICE DIVISON TECHNICAL SUPPORT - 503/615-4364 toshibatech@teleplan.com...

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