



DISK DRIVE MK8025GAS
 DC+5V 0.7A
 HDD2188 F ZE01 T



E-H011-02-5168(B)



033003



E145163



LR39635



N723



S/N 73DM2803T 427 EC.A



(CYL15383,H16,S63)



CT:2668COAJVP1BNQ

TOSHIBA CORPORATION
 PRODUCT OF PHILIPPINES



FRAGILE



CAUTION

- ⚠ DO NOT DISASSEMBLE OR MODIFY.
- ⚠ DO NOT REMOVE ANY LABELS.
- ⚠ DO NOT PUSH ON THE TOP COVER.
- ⚠ HANDLE ONLY BY SIDES OF BASE.
- ⚠ AVOID GIVING SHOCK.
- ⚠ DO NOT COVER BREATHING HOLE.
- ⚠ RATTLE NOISE IS NORMAL.

PRODUCT COVERED OR LICENSED
 UNDER ONE OR MORE OF THE
 FOLLOWING PATENTS:

- 4,566,046; 4,926,275; 4,930,029
- 4,988,933; 5,270,878; 5,285,330
- 5,319,508; 5,327,052; 5,355,260
- 5,386,402; 5,432,414; 5,490,022
- 5,572,382; 5,585,701; 5,671,099
- 5,677,811; 5,729,405; 5,751,519
- 5,799,145; 5,801,897; 5,847,890
- 4,686,622; 4,896,260; 4,942,516

COMPAQ P/N: 312954-001

Toshiba (HDD2188) User Manual

2.5-inch hard disk drive

| | |
|-------------------|--|
| 1 | |
| Table Of Contents | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 10 | |
| 11 | |

•

[Table of Contents](#)

-

Troubleshooting

•

Bookmarks

Table of Contents

1 Table of Contents

2 Introduction

2.1 General Features

2.2 HDD Jumper Locations

2.3 Master/Slave Settings

[3 Setup](#)

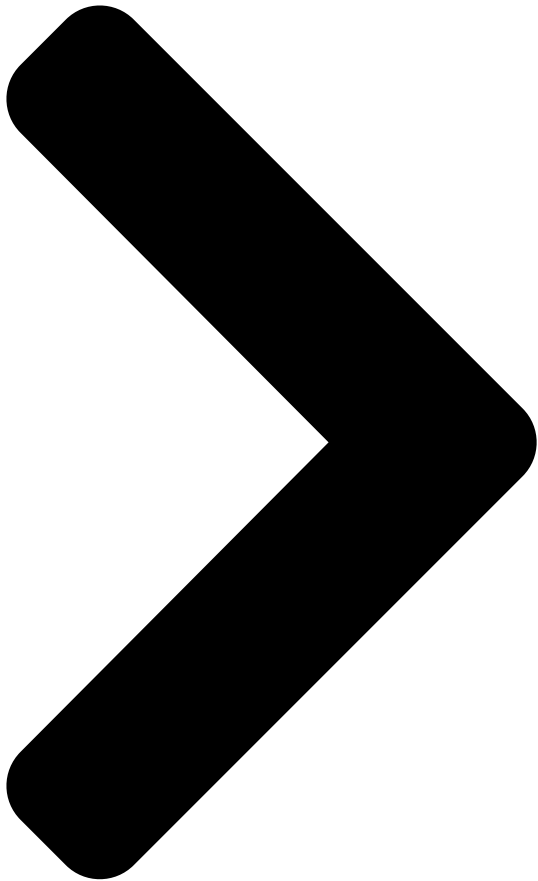
[4 Using the HDD](#)

[5 Troubleshooting](#)

[6 Specifications](#)

[7 Drive Connectors](#)

[Download this manual](#)



TOSHIBA AMERICA INFORMATION SYSTEMS
STORAGE DEVICE DIVISION
IRVINE, CALIFORNIA



MK8025GAS (HDD2188)
2.5-INCH HARD DISK DRIVE
USER MANUAL

Table of Contents

[Next Page](#)

1
2
3
4
5

Related Manuals for Toshiba (HDD2188)

[Storage Toshiba MK3021GAS Installation Notes](#)

2.5" hdd series 9.5mm gas series (4 pages)

[Storage Toshiba MK6025GAS User Manual](#)

2.5-inch hard disk drive (11 pages)

[Storage Toshiba HDDR500E04X Setup](#)

500gb portable external hard drive in liquid blue (2 pages)

[Storage Toshiba MK6022GAX User Manual](#)

2.5-inch hard disk drive (11 pages)

[Storage Toshiba HDD1544 User Manual](#)

1.8-inch hard disk drive (9 pages)

[Storage Toshiba MK2018GAS User Manual](#)

2.5-inch hard disk drive (11 pages)

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2.5-inch hard disk drive (11 pages)

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1.8-inch hard disk drive (9 pages)

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2.5-inch (11 pages)

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2.5-inch hard disk drive (11 pages)

[Storage Toshiba MK3008GAL User Manual](#)

1.8-inch hard disk drive (9 pages)

Summary of Contents for Toshiba (HDD2188)

[Page 1](#) TOSHIBA AMERICA INFORMATION SYSTEMS STORAGE DEVICE DIVISION IRVINE, CALIFORNIA MK8025GAS (HDD2188) 2.5-INCH HARD DISK DRIVE USER MANUAL...

[Page 2: Table Of Contents](#)

CONTENTS Introduction...1 Setup ...2 Using the HDD ...4 Troubleshooting...5 Specifications ...6 Drive Connectors...8...

[Page 3: Introduction](#)

INTRODUCTION - MK8025GAS (HDD2188) General Features • 2.5" sized drive • 80 Gigabytes •

9.5mm High • Fluid Dynamic Bearing (FDB) Motor • 12ms Average Seek Time • ATA-2,3,4,5,6 Interface • Supports high transfer rates of 100 MB/sec • 8MB Buffer •...

[Page 4: Setup](#)

Master/Slave Settings Your Toshiba Hard Disk Drive can be configured as either a "Master" or "Slave" unit. 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.

[Page 5](#) Installation Notes The drive should be mounted carefully on the surface of 0.1mm or less flatness to avoid excessive distortion. In order to prevent short-circuit under any circumstances, a space of 0.5mm or more should be kept under the PCB. Space should be kept around the drive to avoid any contact with other parts, which may occur due to shock or vibration.

[Page 6: Using The Hdd](#)

USING THE HARD DISK DRIVE – MK8025GAS (HDD2188) Backing up Data Files To avoid data loss, regularly back up the data files on the hard disk drive.

[Page 7: Troubleshooting](#)

My system is not able to recognize all available capacity on my Hard Disk Drive. What do I need to do to utilize the complete hard drive? How do I install my 2.5" Toshiba Hard Drive into my desktop or tower system? Solution There are some systems that are unable to recognize the new larger Hard Drives on the market.

[Page 8: Specifications](#)

SPECIFICATIONS –MK8025GAS (HDD2188) General Model Interface Functionality Formatted Capacity Rotational Speed Avg. Rotational Latency Spin-up Time Buffer Seek Time (Average) Internal Transfer Rate Host Transfer Rate Internal Drive Characteristics Number of Disks Number of Read/Write Heads Track Density (TPI) User Data Cylinders Logical Cylinders Logical Heads Logical Sectors/track...

[Page 9](#) Physical Height Width Depth Weight Regulatory The drive satisfies the following standards: Underwriters Laboratories (UL) Canadian Standard Association (CSA) C22.2 No.220 No. 950 TUV Rheinland EMC - EN50081-1 EMC - EN50082-1 0.37" (9.5mm) 2.75" (69.85mm) 3.94" (100mm) 3.46oz (99g) typ 1950 EN 60 950 EN55022: 1988 Class B...

[Page 10: Drive Connectors](#)

DRIVE CONNECTORS –MK8025GAS (HDD2188) Figure 1.MK8025GAS HDD Rear View - Connectors Interface Connector Drive Side Connector Recommended Host Side Connector Board Cable Recommended Cable Characteristics Standard diameter Characteristics impedance Max Length Capacitance * cable is not included with drive Yamaichi GAP050K11617 or equivalent Straight type: Berg 86455-044 86456-044 or equivalent Berg 89361-044 or equivalent 0.32mm (28AWG)

[Page 11](#) Interface Pin Assignment Note: Symbol () in front of signal indicates negative logic. DRIVE INTERFACE SIGNALS SIGNAL RESET DD 7 DD 6 DD 5 DD 4 DD 3 DD 2 DD 1 DD 0 GROUND DMARQ DIOW/STOP DIOR/ -DMARDY HSTROBE IORDY/ -DMARDY/- DSTROBE...

This manual is also suitable for:

Mk8025gas