

- **6Y080M0**
- **SATA Ultra Series hard drive kit**



- **Ultimate SATA drive performance**

Get the ultimate performance of Serial ATA with a Maxtor SATA Ultra Series hard drive kit. Take advantage of SATA/150, the world's fastest ATA interface — with a 150MBps (max.) burst transfer rate! The SATA Ultra Series is the ideal choice for speed-intensive applications like video editing, gaming, digital content creation, and RAID.

The SATA Ultra Series kit features a 7200RPM SATA drive with an ultra fast 8MB cache, whisper-quiet fluid dynamic bearing (FDB) motor, and simple, no-jumper installation. This complete kit includes a thin SATA cable for improved airflow and MaxBlast™ software for easy formatting and partitioning.

**The Speed You Need**

Experience the benefits of peak system performance. Achieve faster loading and smoother play with all the latest games and video applications.

**The Storage You Want**

Create space for everything that drives you — movies, music, and more. Every 40GB stores up to 18hrs of DV-quality video, 10,000 MP3s, or 40,000 digital photos.

**The Power You Crave**

Free your creative potential. Upgrade to this Maxtor drive and enjoy unparalleled speed, power, and performance.

- **Ultimate performance with SATA/150**
- **Ultra fast 8MB cache**
- **Whisper-quiet FDB motor**
- **RAID ready**
- **Complete upgrade kit**

## ▶ 6Y080M0 - Technical Specifications

### Capacity

- 80/120/160/200GB

### Rotational Speed

- 7200RPM

### Buffer Size

- 2MB and 8MB cache

### External Transfer Rate

#### ATA/133

- 133MBps

#### SATA

- 150MBps

### Average Seek

- Greater than or equal to 9.3ms

### Average Latency

- 4.2ms

### Disk Drive Configuration

#### Bytes per sector/block

- 512

#### Logical CHS

- 16,383/16/63

### Reliability Specifications

#### Start/stop cycles

- >50,000 (min.)

#### Component design line

- Five years (min.)

#### Data errors (non-recoverable)

- <1 per 10E

- 15 bits read

#### Annualized Return Rate (ARR)

- <1%

### Compatibility

- Mac and PC

### Windows System Requirements

- Available 3.5-inch drive bay
- Serial ATA-enabled motherboard or adapter card
- Windows 98SE, Me, 2000 or XP
- CD-ROM drive
- Windows 2000, SP3 or higher; XP, SP1 or higher

### Macintosh System Requirements

- Available 3.5-inch drive bay
- Power Mac G5 or Power Mac with Mac-compatible Serial ATA adapter card
- Mac OS 8.6 or higher, OS X 10.1 or higher

### Acoustics FDB motor

#### Idle (sound power: bel)

- 2.7

#### Seek (sound power: bel)

- 3.5

### Environmental

#### Operating temperature

- 5 ° to 50 °C (41 ° to 122 °F)

#### Non-operating temperature

- -40 ° to 71 °C (-40 ° to 159.8 °F)

#### Operating mechanical shock 2ms

- 60g

#### Non-operating mechanical shock 2ms

- 300g

#### Dimensions (W x H x D)

- 4 x 5.79 x 1.03-inches (101.6 x 147 x 26.1mm)

#### Weight

- 1.27lb (0.58kg)

### Power Requirements

#### Mode

- 5V

- 12V

#### Seek

- 858mA

- 662mA

#### Idle

- 668mA

- 334mA

#### Standby

- 90mA

- 37mA

### Support

- Superior pre- and post sales technical support
- One year warranty

### Ordering Guide

#### 6Y080M0

- SATA/150 7200RPM 80GB IDE HDD

#### 6Y120M0

- SATA/150 7200RPM 120GB IDE HDD

#### 6Y160M0

- SATA/150 7200RPM 160GB IDE HDD

#### 6Y200M0

- SATA/150 7200RPM 200GB IDE HDD



### Corporate Offices

#### US / Canada

6260 Sequence Drive  
San Diego, CA 92121-4371

Tel. (858) 677-0877

Fax (858) 677-0898

sales@us.kontron.com

#### Europe, Middle East and Africa

Oskar-von-Miller-Straße 1  
D-85386 Eching/München Germany

Tel. +49 81-65 77 0

Fax +49 81-65 77 219

sales@kontron.com

#### Asia Pacific

6F No 9, Lane 235, Pao Chiao Road  
Hsin Tien 231, Taipei, Taiwan

Tel. +886 2 2910 3532

Fax +886 2 2910 3482

sales@kontron-asia.com