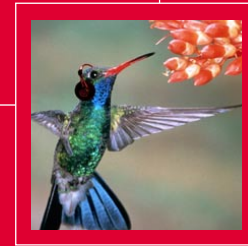


## Hitachi Travelstar® C4K60 series

### HARD DISK DRIVES



60GB, 40GB, 30GB and 20GB | 4200 RPM | ATA-6

Essential gear for ultra-portable and consumer electronics devices

#### Highlights

- > Up to 60GB capacity
- > Two connector options for easy integration: ZIF or IDE
- > Smallest 1.8" footprint in the lightest package
- > High performance for fast downloads
- > Low power consumption
- > High shock tolerance for all-terrain usage

#### C4K60—a "must-have" for high capacity devices on-the-go

Hitachi introduces enhancements to the Travelstar C4K60 series, a 4200 rpm, 1.8-inch hard disk drive designed to meet the needs of ultra-portable electronic devices. The new Travelstar C4K60, at 30GB/platter, offers a full range of capacities up to 60GB. This series of drives delivers both 1 and 2-disk IDE models for traditional 50-pin connections, and 1-disk models designed with a ZIF connector specifically for CE devices. Design enhancements include a smaller footprint on the 1-disk ZIF connector models, and new larger capacities on the 2-disk IDE models, exceptional shock tolerance, whisper-quiet acoustics, and low power consumption. This winning set of characteristics makes the Travelstar C4K60 series the perfect solution for your storage-intensive on-the-go devices.

#### Applications

- > Ultra-portable notebook PCs
- > Portable digital audio / video (MP3, PMP)
- > External storage
- > Portable navigation
- > Other handheld applications

#### Features and Benefits

	Feature / Function	Benefits
Capacity	Up to 60GB capacity 40GB, 30GB, and 20GB also available	Full range of capacities to support every application need
Size	ZIF Connector 54 x 70 x 7.0 mm, 46g	Smallest footprint, lightest design to more easily accommodate ultra-portable, handheld devices  Easier more flexible integration
	IDE Connector 60 x 70 x 7.0mm, 47g – 1 disk	Traditional 50-pin connector to support connectors typical in IT applications
Reliability	500Gs operating shock 1200Gs non-operating shock	Exceptional ruggedness to withstand tougher handling and improve portability
	600,000 load/unload cycles	Double the industry standard specification  Reduces disk wear and protects user data
Power	Low read power consumption	Ideal for PMC/PMP applications
	Enhanced Adaptive Battery Life Extender™ (ABLE)	Low power for longer battery life
Acoustics	Fluid Dynamic Bearing Motors (FDB) Optimized seek control	Quiet operation
Performance	Optimized caching	Faster download of larger files

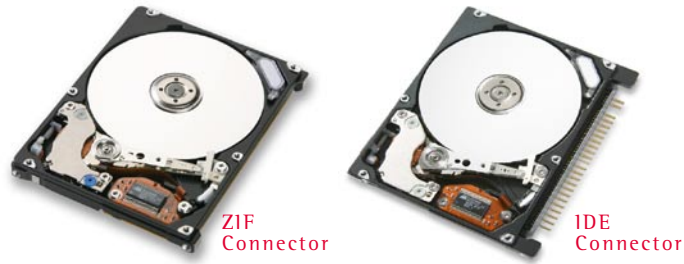
#### Slimline packaging for consumer electronics

Travelstar C4K60 is the first 1.8-inch hard drive to offer the ZIF connector. With its embedded, latch-type connector located under the drive base and smaller flexible cable, this drive provides cost savings for handheld device designs. Travelstar C4K60 delivers the best combination of features and options for ultra-portable devices, allowing manufacturers to choose—the right size, right capacity, right interface with the right power and right performance.

#### Hitachi quality, support, and service

The Hitachi Travelstar mobile hard disk drives are designed to the highest quality standards and contain field-proven components to provide superior quality devices backed by Hitachi warranty. Hitachi provides worldwide technical support and services to enable global customers to bring their products to market quickly.

## Hitachi Travelstar® C4K60



## Hitachi Global Storage Technologies

### For more information:

Internet:

- > [www.hitachigst.com](http://www.hitachigst.com) (Main Web site)
- > [www.hitachigst.com/vpp](http://www.hitachigst.com/vpp) (Reseller Web site)

Technical Support E-mail:

- > [support\\_usa@hitachigst.com](mailto:support_usa@hitachigst.com) (N. America)
- > [support\\_ap@hitachigst.com](mailto:support_ap@hitachigst.com) (Asia Pacific)
- > [support\\_uk@hitachigst.com](mailto:support_uk@hitachigst.com) (EMEA and UK)

Technical Support Phone Numbers:

- > 1 888 426-5214 (N. America)
- > 65 6840 9595 (Asia Pacific)
- > 44 20 7133 0032 (EMEA and UK)
- > 49 6929 993601 (Germany)

### Product Model names

**Travelstar C4K60**  
HTC426030G7CE00  
HTC426020G7CE10

**Travelstar C4K60**  
HTC426060G9AT00  
HTC426040G9AT00  
HTC426030G7AT00  
HTC426020G7AT00

### Specifications

#### Configuration

Connector	ZIF	IDE
Interface	ATA-6	←
Capacity (GB) <sup>1</sup>	30 / 20	60 / 40 / 30 / 20
Sector size (Bytes)	512	←
Data heads (physical)	2	4 / 2
Data disks	1	2 / 1

#### Performance

Data buffer (MB) <sup>2</sup>	2	←
Rotational speed (RPM)	4200	←
Latency average (ms)	7.1	←
Interface transfer rate (MB/sec, max)	100 Ultra DMA mode-5	←
PIO	16.6 PIO mode-4	←
Seek time (read, average) (ms)	15	←

#### Reliability

Load/Unload cycle	600,000	←
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#### Power

Requirement	3.3 VDC (+/- 5%)	5.0 VDC / 3.3 VDC (+/- 5%)
Start up (max)	1.4W	2.1W / 1.4W
Read (average)	1.0W	1.5W / 1.0W
Write (average)	1.1W	1.7W / 1.1W
Active idle (average)	0.4W	0.6W / 0.4W
Low power idle (average)	0.2W	0.3W / 0.2W

#### Physical Size

Height (mm)	7.0	9.5 / 7.0
Width (mm)	54	60
Depth (mm)	70	70
Weight - typical (g)	46	62 / 47

#### Environmental Characteristics

Operating shock (half-sine wave)	500G/2ms	←
Non-operating shock (half-sine wave)	1200G/1ms	←
RoHS compliant <sup>3</sup>	yes	←

#### Acoustics (A-Weighted Sound Power (Bels))

Idle (typical)	1.6	1.8 / 1.6
Seek (typical)	2.2	2.4 / 2.2

### How to Read the Travelstar Model Number

**HTC426030G7CE00 = 30GB**

**H** = Hitachi

**T** = Travelstar

**C** = Compact

**42** = 4200 RPM

**60** = Full capacity - 60GB

**30** = Capacity this model - 30GB (60 = 60GB, 40 = 40GB, 20 = 20GB)

**G** = Generation code

**7** = 7mm z - height (9 = 9.5mm z - height)

**CE** = CE interface connector - ZIF type  
(AT = IDE connector)

**0** = Revision code

**0** = Reserved

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This publication is for general guidance only. Photographs may show design models.

<sup>1</sup> 1 GB equals one billion bytes when referring to hard drive capacity; accessible capacity may be less

<sup>2</sup> Upper 128KB reserved for firmware

<sup>3</sup> RoHS refers to the European Union Directive 2002/95/EC on the restriction of certain hazardous substances in electrical and electronic equipment.