



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for HITACHI TRAVELSTAR 40GN. You'll find the answers to all your questions on the HITACHI TRAVELSTAR 40GN in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual HITACHI TRAVELSTAR 40GN
User guide HITACHI TRAVELSTAR 40GN
Operating instructions HITACHI TRAVELSTAR 40GN
Instructions for use HITACHI TRAVELSTAR 40GN
Instruction manual HITACHI TRAVELSTAR 40GN

Industry-leading capacity, performance, and acoustics

HITACHI
Inspire the Next

Hitachi Travelstar 60GH and 40GN 2.5-inch hard disk drive

Highlights

- ▶ Advances notebook hard drive leadership with the highest capacity, highest performing drives
- ▶ Offers new models that operate with the Enhanced Availability feature
- ▶ 60GH—the fourth generation of 5,400rpm models—offers highest capacity and highest performance in the industry with a 60GB capacity
- ▶ 40GN provides areal densities of up to 34Gbits/sq.inch, yielding up to 20GB of capacity per disk
- ▶ All models contain Fluid Dynamic Bearing (FDB) motor technology for industry-leading idle and operating acoustic performance
- ▶ Travelstar provides industry-leading operational shock rating of up to 200Gs (2ms)
- ▶ Travelstar leverages latest antiferromagnetically coupled (AFC) media, also known as "pixie dust"

Leading-edge technology

Mobile storage leadership continues with the Hitachi Travelstar 60GH and 40GN hard drives. The Travelstar 60GH is the industry's first 60GB notebook hard disk drive employing four disks in a 12.5mm high design and is the fourth-generation of 5,400rpm mobile drives in the industry.

The innovative hard drive design combines AFC Media, Fluid Dynamic Bearing (FDB) motor technology, an ATA-100 interface, giant magnetoresistive (GMR) head technology, Partial Response Maximum Likelihood (PRML) digital channel, a head load/unload feature, and Enhanced Adaptive Battery Life Extender™ (ABLE) 3.0. This design provides the exceptional quietness, storage capacity, performance, power management, quality, and reliability required by today's notebook systems.

The Travelstar family of hard disk drives incorporates the latest storage technology—Antiferromagnetically

coupled (AFC) media, informally known as "pixie dust." This technology sandwiches a three-atom-thick layer of ruthenium, a precious metal, between two magnetic layers on a disk, allowing for a higher areal density, breaking through limitations of the super paramagnetic effect.

As a result, the new Hitachi Travelstar drives are suitable for demanding, high-capacity internet, digital audio, video streaming, and real-time multimedia applications—whether users are in the office or on the road. In non-traditional applications, Travelstar drives can now incorporate into such products as Point-of-Sale Systems, Set-Top Boxes, Telemetry (automobile) applications, and communications and entertainment systems.

Performance and reliability

The Hitachi Travelstar 60GH and 40GN hard drives use proven storage technology such as TrueTrack Servo, Drive Fitness Test™

(DFT), and Self-Monitoring Analysis and Reporting Technology (S.M.A.R.T.), as well as a thermistor, an adaptive control device that helps maintain high performance and fast seek times at high environmental temperatures.

Enhanced Availability models

Hitachi also offers enhanced availability features on selected new Travelstar models. These industry-first models increase the hard disk drive's available "power-on" hours for emerging applications with continuous operation. At a read/write or data access rate of up to 50 percent—a typical usage cycle for 24x7 blade server environments—the drives are designed to allow users to leave these drives powered on around-the-clock.

Advanced mobile systems

The Travelstar 40GNX redefined state-of-the-art storage for mobile computing. The reduced acoustics, high speeds, and capacities of Hitachi Travelstar drives



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