



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for HITACHI TRAVELSTAR 3GN. You'll find the answers to all your questions on the HITACHI TRAVELSTAR 3GN 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 3GN  
User guide HITACHI TRAVELSTAR 3GN  
Operating instructions HITACHI TRAVELSTAR 3GN  
Instructions for use HITACHI TRAVELSTAR 3GN  
Instruction manual HITACHI TRAVELSTAR 3GN

*Outstanding value, high capacity, and improved performance in a 9.5 mm height hard disk drive for notebook computing*



## IBM Travelstar 3GN

### Highlights

#### High capacity

An areal density of 31 Gbits/square inch provides capacities of 3.2 and 21 GB to help meet the demands of the data-intensive applications required by notebook users.

#### Improved performance

Faster data rates, improved RPM (4200), and a 128 KB data buffer enhance performance without increasing power consumption. An Ultra DMA implementation boosts interface transfer rates to 33.3 MB/sec.

#### Superior power management

Enhanced Adaptive Battery Life Extender™ 2.0 power management technology includes Performance Idle, Active Idle, and Low Power Idle modes. It selects the appropriate mode to minimize power usage and increase battery life.

#### Rugged design

The Travelstar 3GN extends the proven Travelstar ruggedness to an industry-leading 700 G/1 ms non-operating shock rating and a 50 percent improvement in operating shock—to 150 G/2 ms—to help increase reliability.

#### Integrated Load Suspension

An innovative new technology, Integrated Load Suspension (ILS), reduces the number of moving parts and helps improve drive reliability.

#### Leading drive technology

With its high capacity, power management, performance, and ruggedness in a thin package, the Travelstar 3GN provides outstanding value for portable computing. At only 99 grams, the Travelstar 3GN is the lightest 2.5- or 3.5 GB notebook disk drive available, making it an ideal solution to the increasing demand for value and ultra-portable notebooks.

To provide this high level of performance, the Travelstar 3GN employs proven IBM technology. Magnetoresistive Extended (MRX) advanced head technology increases areal density, thereby reducing the number of disks and heads required to provide each capacity point. The MRX head technology increases areal density to 31 Gbits/square inch, and its pro slider enables more disk surface to be read.

IBM's proven head Load/Unload technology enables the use of smooth disks, allowing lower fly height that results in higher areal density. No-ID™ sector formatting also increases storage capacity by eliminating the overhead caused by the duplicate storage of each data sector's ID field. The Partial Response Maximum Likelihood (PRML) digital channel enables higher areal densities, significantly contributing to the drive's overall capacity and performance. In addition, S.M.A.R.T. (Self-Monitoring Analysis and Reporting Technology) protocol support improves data availability by alerting the system of impending drive failure.

All of these innovative IBM technologies enable the Travelstar 3GN to provide the exceptional capacity, performance, power management, shock resistance, and reliability required by today's value and ultra-portable notebooks.

#### IBM quality and service

The Travelstar 3GN is backed by a three-year warranty and a wide range of technical support and services, which may include qualification support and integration assistance. This comprehensive support package helps ensure that IBM customers can continue to develop and manufacture high-quality cost-effective systems.



Travelstar 3GN 2.5-inch 3.2 GB ultra-low-profile disk drive



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**Manual abstract:**

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