

A new class in mobile storage...

Hitachi Introduces 1.8-Inch Mobile Hard Disk Drive

New Form Factor Gives Hitachi Industry's Broadest Hard Drive Product Portfolio

SAN JOSE, www.hgst.com, January 6, 2003 – Hitachi Global Storage Technologies today introduced a new 1.8-inch hard disk drive, ideally suited for a variety of mobile applications that require high performance, high capacity and energy efficiency in a small form factor.

The new Hitachi Travelstar Compact Series C4K40, available in 40 and 20 gigabyte capacities, is built in a newly introduced 1.8-inch form factor. The new drive is compliant with the SFF8111 standard, making it a perfect match for laptop computers, tablet PCs, handheld computers, portable consumer electronics and other pervasive computing devices supporting this standard form factor. The new drive will be available in April of this year.

With a rotational speed of 4,200 rpm, areal density of 67 billion bits per square inch, and low power consumption in both idle and read operations, the new 1.8-inch drive presents a powerful combination of performance, capacity and energy efficiency in a compact size. In addition, the new drive has connector compatibility with the current 2.5-inch form factor, making it easy for product developers and manufacturers to transfer from 2.5-inch designs to the new 1.8-inch design inside laptop PCs.

The addition of the new 1.8-inch Travelstar C4K40 increases Hitachi's leadership in the mobile category and underscores the company's leadership in offering the industry's broadest hard disk drive product portfolio – ranging from the one-inch Microdrive to 3.5-inch high-end enterprise hard drives.

“We have continuously set the standards for the mobile hard drive industry in terms of innovation, performance, reliability and capacity – and our new 1.8-inch drive continues in this tradition,” said Kazuhisa Shiraishi, deputy general manager, Mobile HDD Business Unit, Hitachi Global Storage Technologies. “The Travelstar Compact Series combines the best of Hitachi's expertise in miniaturization, mobile and performance technology to bring customers a new solution for traditional PC and emerging applications.”

Technical Specifications

Travelstar C4K40
20/40 GB capacity
70mm(wide) x 60mm(depth) footprint
1-platter -- 7mm height, 47 grams weight
2-platter – 9.5mm height, 62 grams weight
4,200 rpm
67 gigabits per square inch
1/2 glass disk platter(s)
2/4 GMR recording heads
300G/2ms operating shock
1,000-1,200G/1ms non-operating shock
1.8-2 Bels acoustic noise at idle
ATA-5 (ATA 100) pin compatible
29.9 MB/s data transfer rate
7.1ms latency time

About Hitachi Global Storage Technologies

Hitachi Global Storage Technologies was founded in 2003 as a result of the strategic combination of IBM and Hitachi's storage technology businesses. The company's vision is to enable users to fully engage in the digital lifestyle by providing access to large amounts of storage capacity in formats suitable for the office, on the road and in the home.

The company offers customers worldwide a comprehensive range of storage products for desktop computers, high-performance servers and mobile devices. For more information on Hitachi Global Storage Technologies, please visit the company's Web site at <http://www.hgst.com>.

About Hitachi, Ltd.

Hitachi, Ltd., headquartered in Tokyo, Japan, is a leading global electronics company, with approximately 320,000 employees worldwide. Fiscal 2001 (ended March 31, 2002) consolidated sales totaled 7,994 billion yen (\$60.1 billion). The company offers a wide range of systems, products and services in market sectors, including information systems, electronic devices, power and industrial systems, consumer products, materials and financial services. For more information on Hitachi, please visit the company's Web site at <http://global.hitachi.com>

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