Seagate Constellation.2 1TB Hard Drive (7200rpm) 6Gb/s SAS 64MB (Internal) - Self Encrypting Drive

Seagate Constellation.2 drives are the most energy efficient enterprise drives on the market. Designed for enterprise robustness, Constellation.2 is available in capacities of up to 1TB and offers reliable storage for high capacity servers and storage arrays in a minimal footprint. The Constellation 7200 hard drive enables secure, manageable nearline storage solutions in a 2.5-inch chassis - either direct attach or in a tiered storage environment - at the lowest power usage, without compromising performance or reliability.

Self-Encrypting Drive (SED) feature cuts IT drive retirement expenses while securely protecting data and is one of the easiest, most cost-effective security measures you can implement (Requires TCG-compliant host or controller support). Best-Fit Applications: Storage-hungry business applications; Storage area networks (SAN) and network attached storage (NAS); Maximum-capacity servers and blade servers; Rich media content storage - audio, video, image; Reference and compliance data storage; Enterprise backup and restore - D2D, virtual tape; Cloud computing.

Drive Interface	SAS 6Gb/s
Disk Size	2.5 Inches
Disk Capacity	1000GB
Disk Speed	7200RPM
Enclosure type	Internal
Dimensions	7.0cm (W) x 10.05cm (D) x 1.48cm (H) - Weight 0.2kg

Features

∗ **We have very limited data about this product. This may be because it is new, or from a vendor who does not provide product information. If you are unsure about this product please contact us by email to sales@memory-express.co.uk or on 0870 900 9500**

∗ **Seagate Constellation.2 2.5-inch Hard Disk Drive (Internal)**

∗ **1TB capacity**

∗ **7,200 RPM Spindle Speed**

∗ **64MB cache**

∗ **6-Gb/s SAS Interface**

∗ **Dual Interface Ports**

∗ **Self Encrypting Drive (SED) model: SED ensures Government-grade data security while reducing drive retirement costs (requires TCG-compliant host or controller support)**

memory express
020 8453 9700

Memory Express Ltd
51 Park Royal Road,
London,
NW10 7LQ

Tel: 020 8453 9700
Web: www.memory-express.co.uk
Email: sales@memory-express.co.uk

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∗ **Protection Information capability**

∗ **Industry\'s first 2.5inch 1TB capacity-optimised drive for dense, space-constrained data centres allows you to store twice as much data in the same footprint**

∗ **Build highly efficient bulk storage solutions while lowering your power consumption costs**

∗ **Designed for robust 24x7 operation with a 1.4M hour mean-time-between-failure (MTBF) rating**

∗ **Best-in-class rotational vibration tolerance ensures unrivalled performance in high-spindle-density applications, and multi-drive firmware maximises system availability**

Specification

General

Seagate Constellation.2 drives are the most energy efficient enterprise drives on the market. Designed for enterprise robustness, Constellation.2 is available in capacities of up to 1TB and offers reliable storage for high capacity servers and storage arrays in a minimal footprint. The Constellation 7200 hard drive enables secure, manageable nearline storage solutions in a 2.5-inch chassis - either direct attach or in a tiered storage environment - at the lowest power usage, without compromising performance or reliability.

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Hard Disk

Drive Interface	SAS 6Gb/s
Disk Size	2.5 Inches
Disk Capacity	1000GB
Disk Speed	7200RPM
Data Buffer/RAM	64MB
Bytes per Sector	512 to 528 (8 byte inc.)

Performance

Data Transfer Rates	600MB/s

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Average Seek Time	Read: 8.5ms Write: 9.5ms
Average Latency	4.16ms
Mean Time Between Failure (MTBF)	1,400,000 Hours

Electrical

Power Requirement Spin Up (Max)	6.4Watts
Power Requirement Idle (Ready)	3.85Watts

Environmental

Acoustics (Seek Mode)	2.8dB
Acoustics (Idle Mode)	2.2dB
Operating Temperature	5 to 60C
Non Operating Temperature	-40 to 70C
Temperature Gradient	20C per hour
Vibration (Operating)	0.5Gs
Vibration (Non-Operating)	3.0Gs
Shock (Operating)	70Gs for 2ms
Shock (Non Operating)	400Gs for 1ms

Physical

Enclosure type	Internal
Dimensions	7.0cm (W) x 10.05cm (D) x 1.48cm (H) - Weight 0.2kg

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About Memory Express

Although we started out selling just Memory the best part of fifteen years ago, we have diversified organically over the years at the request of our customers. We specialise in Networking, Storage and Disaster Recovery and have the knowledge, experience and strategic partnerships to provide you with the service and value you demand - quality products, reasonably priced and delivered on time.

Memory Express can offer you a full range of installation and configuration services for hardware and software as well as detailed, accurate advice on all aspects of your IT projects. You'll be glad to know that we don't have a room full of school leavers trying to sell products they don't understand - all our staff are seasoned IT specialists and have an average length of service of over ten years. We won't just push you towards the solution we feel like selling; we'll help you to find the one you need.

Meanwhile, online, we offer one of the largest product ranges of any UK IT supplier. Showing near live stock, in depth product information and keen pricing, we're sure you'll find what you need. We also have matched memory upgrades for over 50,000 models of computer, server, printer, phone and camera, guaranteeing you the right memory, first time. All this is backed up by the same great service you'd expect when dealing with us over the phone. For our regular business customers, we provide T3, our corporate purchasing portal which provides a truly corporate focused buying experience.

We're conveniently located in Park Royal, London's Technology Business Park, allowing us to reach all areas of the UK quickly and efficiently. Many of our City based corporate clients benefit from same day delivery and we can offer next day delivery to established customers throughout the British Isles. Online delivery tracking and status information means that you need not worry about the whereabouts of your order.

We're proud to have built up a wide variety of partnerships with quality vendors and many of our staff hold certifications from top tier manufacturers including Microsoft, Acronis, Symantec and VMWare.

Our clients vary in size from SMEs to many of the UK's largest corporates, government departments, schools and universities, and we're pleased to say that most have been our customers for many, many years - we believe in long term business relationships, not turning a quick profit. Why not contact us now to see how we can help you get the quality of service they already enjoy?